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EXPERIMENT STATION

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SUMMARY OF CLIMATIC DATA FOR THE BONANZA CREEK EXPERIMENTAL FOREST, INTERIOR ALASKA

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State For.

Mgt. For.

Prot. For. Richard J. Barney, *Principal Fire Control Scientist*

Pub. Ser. For.

Institute of Northern Forestry

Res. Inv. Ofc.

Pacific Northwest Forest and Range Experiment Station, Fairbanks, Alaska^{1/}

Proj. For.

Clerk

File

Initial

[Signature]

and

Erwin R. Berglund, *Assistant Professor*Department of Land Resources, University of Alaska, Fairbanks, Alaska^{1/}

ABSTRACT

A summary of climatic data during the 1968-71 growing seasons is presented for the subarctic Bonanza Creek Experimental Forest located near Fairbanks, Alaska. Data were obtained from three weather station sites at elevations of 1,650, 1,150, and 550 feet from May until September each year. Data are for relative humidity, rainfall, and maximum, minimum, and mean temperatures. Analyses indicate that Fairbanks mean monthly temperatures were higher than those at Nenana or at the Bonanza Creek Experimental Forest.

Keywords: Climate, temperature, Alaska, humidity, rainfall.

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INTRODUCTION

Climatic summaries are often considered to be routine academic collection of data without practical application. This may be a valid criticism in areas of high station density, but it is not true for such areas as subarctic Alaska, where weather stations are few and scattered. By evaluating relatively short-term records, an idea of the locality's climate can be ascertained.

There have been numerous studies of fire, silviculture, entomology, wildlife, and plant ecology in interior Alaska. Many of these studies required climatic characterization. This report provides a summary of summertime Bonanza Creek Experimental Forest climatic information.

STUDY AREA LOCATION

The Bonanza Creek Experimental Forest is a 13,800-acre (5,585-hectare) State-owned area located 14 air miles (22.5 kilometers) west-southwest of the first order National Weather Service station at the Fairbanks International Airport and 28 miles (45 kilometers) east of the second order station at Nenana (fig. 1). It lies from 64°43'18" to 64°46'19" N. latitude and 148°6'38" to 148°20'22" W. longitude on a generally east-west oriented ridge. This ridge delineates the northern boundary of the Tanana River valley. Over 90 percent of the Experimental Forest is on the south side of the ridge, while the remainder

has a northerly aspect (fig. 2).

The Fairbanks and Nenana weather stations are on the Tanana River flood plain at elevations of 436 and 353 feet (133 and 108 meters) above mean sea level. Experimental Forest elevations range from 550 feet (168 meters) at site 3 to 1,650 feet (503 meters) at site 1 (fig. 1).

DESCRIPTION OF SITES AND INSTRUMENTATION

The three weather station sites were in stands of upland paper birch, *Betula papyrifera* Marsh. (elevation 1,650 feet), upland black spruce, *Picea mariana* (Mill.) B.S.P. (elevation 1,150 feet), and lowland black spruce (elevation 550 feet) (table 1, fig. 2). Because of microclimatic differences among cover types,^{2/} the data reflect the confounding effect of site and elevation.

Stand openings for instrumentation were 100 feet (30.5 meters) in diameter. Standard National Weather Service field shelters or thermoscreens (Cotton Region type) and instrumentation were used at each site. Instrumentation included a hygrothermograph, a maximum-minimum thermometer to verify the hygrothermograph thermal sensor, and a tipping-bucket rain gage along with an 8-inch Forest Service

^{2/} Rudolf Geiger. The climate near the ground. Cambridge: Harvard Univ. Press, 611 p., 1965.

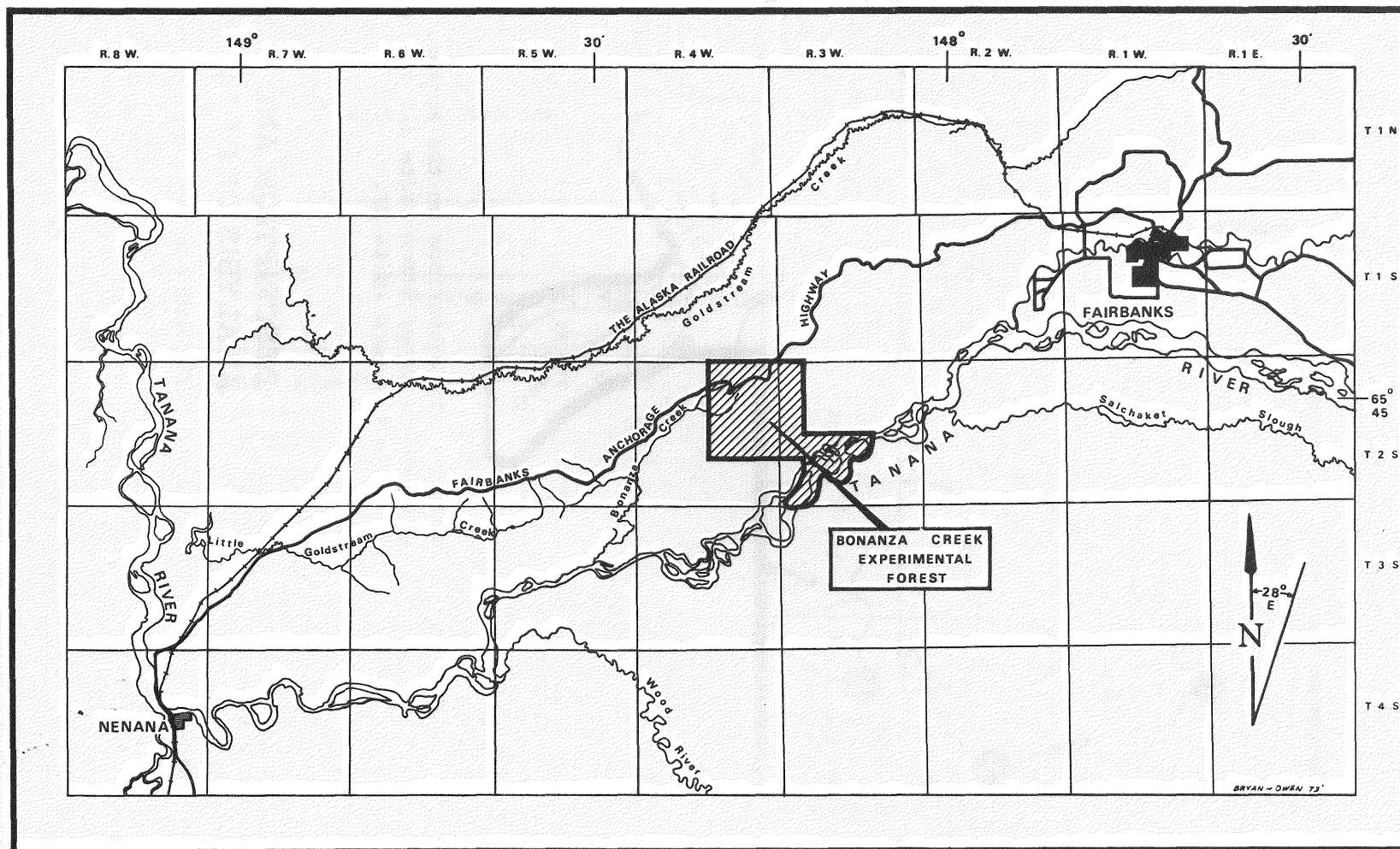


Figure 1.--Bonanza Creek Experimental Forest location in relation to Fairbanks and Nenana, Alaska, where first and second order National Weather Service stations are located.

BONANZA CREEK EXPERIMENTAL FOREST

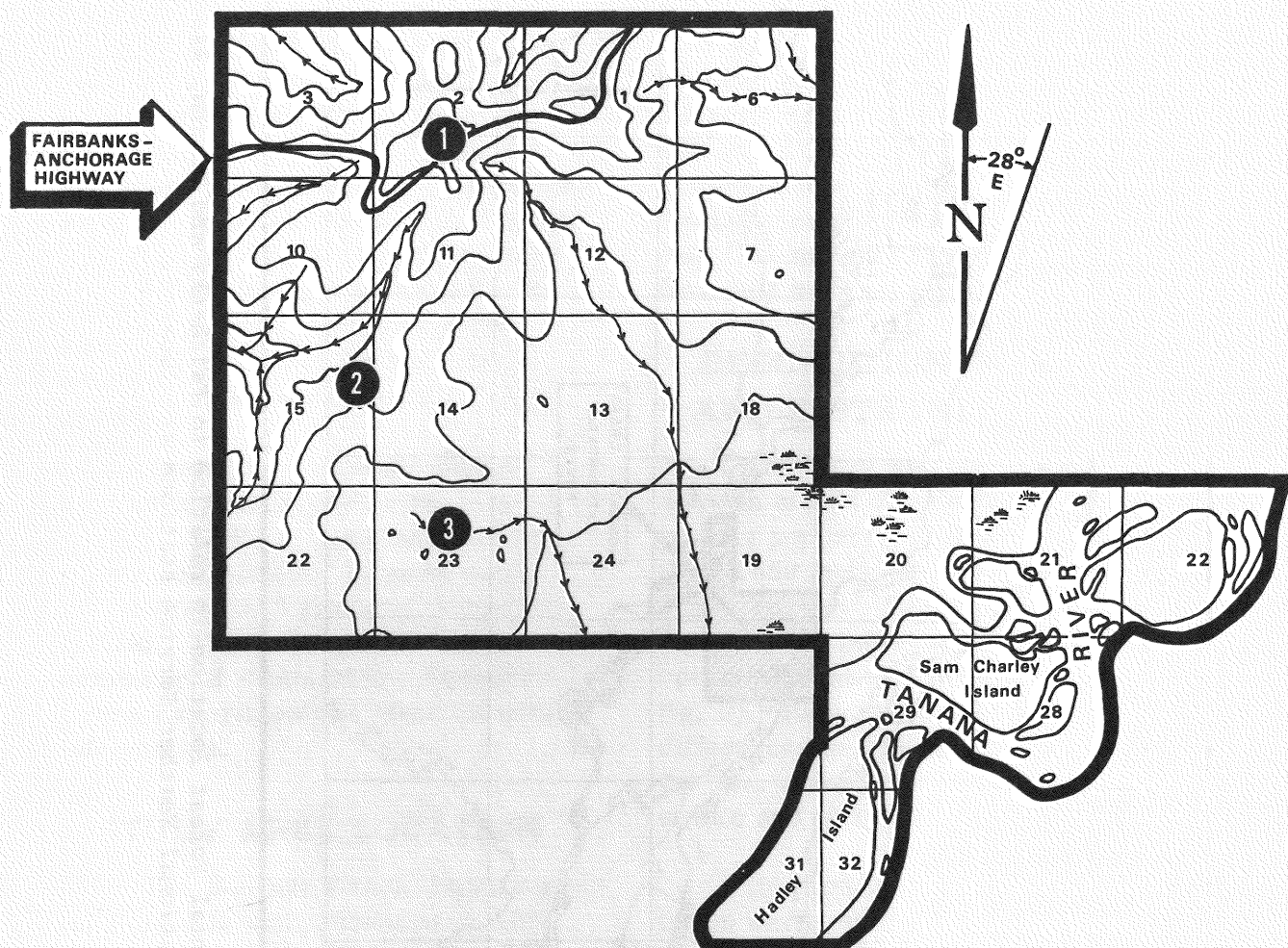


Figure 2.--Weather station site locations and elevations on the Bonanza Creek Experimental Forest, Alaska, upland paper birch (site 1), upland black spruce (site 2), and lowland black spruce (site 3).

nonrecording rain gage. Humidity sensor calibrations were made throughout each season with a fan-aspirated psychrometer. The nonrecording rain gage was used for comparing with the tipping-bucket gage's weekly catch.

DESCRIPTION AND ANALYSIS OF DATA

The data consist of maximum, minimum, and mean temperatures, relative humidity, and daily precipitation. Daily data were summarized by 5-day and monthly intervals.

Table 1.--*Site descriptions on the Bonanza Creek Experimental
Forest near Fairbanks, Alaska*

Characteristic	Weather station location					
	Upland paper birch, site 1		Upland black spruce, site 2		Lowland black spruce, site 3	
Elevation (feet, meters)	1,650	502.9	1,150	350.5	550	167.6
Average dominant height (feet, meters)	55	16.8	33	10.1	9.4	2.9
Average age (years)	120 ^{1/}		101 ^{1/}		51 ^{2/}	
Average diameter (inches, centimeters)	8	20.3	3.73	9.46	1.05	2.7
Basal area (square feet per acre, square meters per hectare)	110	25.3	149	34.2	82	18.8
Density (stems per acre, stems per hectare)	303	749	2,000	4,942	11,067	27,374

^{1/} At breast height (4.5 feet above mean ground level).

^{2/} At ground level.

Data observational periods for each site during the 4-year period from 1968 through 1971 are recorded in table 2. "Daily" observations were those recorded during the defined day of 1400 Alaska Standard Time (0000 G.m.t.) one day to 1400 A.s.t. the following day. Missing data were not a significant problem. Occasional missing observations were estimated from the adjacent stations and the data preceding and following the missing day.

A comparison of the lowland

black spruce (site 3) mean monthly temperature and monthly rainfall was made with corresponding data from Nenana and Fairbanks weather stations (table 3). The analysis of variance for temperature revealed no significant difference between temperatures at the lowland black spruce and the Nenana stations, but the temperature at Fairbanks station was significantly greater at the 1-percent level. This may be attributed to the pocketlike location of Fairbanks and the possible influence on air movement (fig. 1).

Table 2.--Data observational periods for three weather stations, 1968-71, on the Bonanza Creek Experimental Forest, Alaska

Site	Type	Year	Starting date	Ending date
1	Upland paper birch	1968	May 28	Sept. 29
		1969	May 26	Sept. 14
		1970	May 20	Sept. 13
		1971	May 27	Sept. 5
2	Upland black spruce	1968	June 11	Sept. 29
		1969	May 26	Sept. 14
		1970	May 20	Sept. 13
		1971	May 26	Sept. 5
3	Lowland black spruce	1968	June 5	Sept. 29
		1969	May 26	Sept. 14
		1970	May 20	Sept. 13
		1971	May 26	Sept. 5

Table 3.--Comparison of the mean monthly temperature and total monthly rainfall for the lowland black spruce stand (site 3, elevation 550 feet), Nenana FAA Municipal Airport (elevation 353 feet), and Fairbanks International Airport (elevation 436 feet), Alaska, 1968-71

Year and month	Temperature				Rainfall			
	Lowland black spruce (site 3)	Nenana	Fairbanks	Fairbanks departure from normal	Lowland black spruce (site 3)	Nenana	Fairbanks	Fairbanks departure from normal
-----Degrees Fahrenheit-----				-----Inches-----				
1968:								
June	58.1	57.8	60.4		1.36	0.90	1.07	
July	63.9	62.8	65.8	+6.1	.57	1.62	.84	+1.62
August	58.8	56.7	58.5	+4.2	1.54	1.26	.96	+1.26
September	43.3	40.2	43.4		.05	.06	.15	
1969:								
May	47.1	47.8	50.6		0	.08	(1/)	
June	59.9	59.4	64.9	+6.5	.22	.66	.39	-1.00
July	57.2	57.9	59.4	-.3	2.41	2.96	1.33	-.51
August	47.9	48.7	49.8	-4.5	2.54	1.53	2.04	-.16
September	49.1	48.6	51.4		.28	.35	.28	
1970:								
May	53.4	53.1	56.0		.61	.41	.32	
June	55.0	55.0	58.0	-.4	2.78	3.29	2.57	+1.18
July	59.2	58.4	62.4	+2.7	1.59	1.39	1.81	-.03
August	54.4	53.8	56.9	+2.6	2.04	1.37	1.98	-.22
September	45.2	44.4	47.4		.48	.36	.24	
1971:								
May	52.0	50.9	54.1		0	0	.01	
June	58.4	60.5	63.4	+5.0	.20	.30	.31	-1.08
July	57.0	58.5	61.0	+1.3	2.82	3.84	2.08	+.24
August	52.8	54.1	56.1	+1.8	2.80	4.14	2.32	+.12
September	43.7	42.1	45.2		1.22	1.07	1.05	

1/ Trace.

Monthly rainfall for the lowland black spruce, Nenana, and Fairbanks weather stations was not significantly different.

From the 4-year monthly means summarized per site in table 4, the only apparent difference between sites was the lower minimum temperatures for the lowland black spruce (site 3). The confounding of site and elevation did not permit separating cover type and elevation influences on observed data.

CONCLUSIONS

The data reemphasize the need for at least general climatic information at any study site. There was a significant difference in growing season temperatures between the three weather stations, lowland black spruce, Fairbanks, and Nenana, although data were from similar station locations. It is not sufficient to rely on data from distant but similar weather station sites. Local measurements should be made to insure proper and adequate interpretation.

Table 4.--*Monthly means for maximum and minimum temperature, maximum and minimum relative humidity, and rainfall for four observational periods (1968-71), Bonanza Creek Experimental Forest, Alaska*

Characteristic	Site ^{1/}	May	June	July	August	September
Maximum temperature (°F.)	1	64.4	72.4	69.7	63.1	52.2
	2	66.1	73.3	72.4	64.3	52.8
	3	65.9	72.8	72.5	65.8	56.5
Minimum temperature (°F.)	1	41.9	49.0	50.0	45.1	37.0
	2	41.9	50.2	51.3	46.1	37.8
	3	35.8	42.9	46.2	41.2	34.2
Maximum relative humidity (percent)	1	71.2	75.6	87.0	90.0	92.9
	2	62.8	76.9	90.9	92.2	91.6
	3	84.6	89.2	95.1	96.8	95.7
Minimum relative humidity (percent)	1	29.9	31.2	37.4	44.8	55.0
	2	22.2	31.0	41.9	48.2	55.3
	3	23.7	28.5	37.6	44.0	48.4
Rainfall (inches)	1	.23	1.32	2.15	2.35	.64
	2	.33	1.31	1.88	2.41	.54
	3	.20	1.14	1.85	2.23	.51

^{1/} Site 1 = upland paper birch, site 2 = upland black spruce, and site 3 = lowland black spruce.

CLIMATIC SUMMARY
BONANZA CREEK EXPERIMENTAL FOREST, ALASKA

UPLAND PAPER BIRCH

SITE 1		MAY			1968		
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
28	68.0	42.0	55.0	100.0	34.0	67.0	0.0
29	64.0	46.0	55.0	100.0	44.0	72.0	0.10
30	64.0	44.0	54.0	100.0	32.0	66.0	0.01
31	58.0	38.0	48.0	100.0	46.0	73.0	0.0
MEAN	63.5	42.5	53.0	100.0	39.0	69.5	0.11
MONTHLY MEAN	63.5	42.5	53.0	100.0	39.0	69.5	0.11

SITE 1		JUNE			1968		
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	58.0	42.0	50.0	100.0	40.0	70.0	0.01
2	68.0	46.0	57.0	100.0	44.0	72.0	0.03
3	70.0	48.0	59.0	100.0	38.0	69.0	0.09
4	58.0	46.0	52.0	100.0	58.0	79.0	0.10
5	65.0	49.0	57.0	100.0	46.0	73.0	0.11
MEAN	63.8	46.2	55.0	100.0	45.2	72.6	0.34
6	64.0	48.0	56.0	100.0	34.0	67.0	0.0
7	56.0	45.0	50.5	100.0	68.0	84.0	0.01
8	54.0	45.0	49.5	100.0	22.0	61.0	0.01
9	74.0	48.0	61.0	92.0	26.0	59.0	0.0
10	75.0	53.0	64.0	72.0	28.0	50.0	0.0
MEAN	64.6	47.8	56.2	92.8	35.6	64.2	0.02
11	76.0	52.0	64.0	66.0	26.0	46.0	0.0
12	76.0	52.0	64.0	66.0	30.0	48.0	0.0
13	77.0	53.0	65.0	54.0	30.0	42.0	0.0
14	77.0	50.0	63.5	100.0	32.0	66.0	0.13
15	71.0	48.0	59.5	100.0	42.0	71.0	0.38
MEAN	75.4	51.0	63.2	77.2	32.0	54.6	0.51
16	64.0	45.0	54.5	100.0	56.0	78.0	0.38
17	70.0	49.0	59.5	96.0	36.0	66.0	0.0
18	69.0	50.0	59.5	94.0	34.0	64.0	0.0
19	72.0	49.0	60.5	100.0	44.0	72.0	0.05
20	65.0	48.0	56.5	100.0	50.0	75.0	0.15
MEAN	68.0	48.2	58.1	98.0	44.0	71.0	0.58
21	62.0	44.0	53.0	100.0	50.0	75.0	0.05
22	52.0	42.0	47.0	100.0	70.0	85.0	0.08
23	65.0	40.0	52.5	100.0	30.0	65.0	0.0
24	64.0	46.0	55.0	74.0	30.0	52.0	0.0
25	68.0	48.0	58.0	95.0	42.0	68.5	0.0
MEAN	62.2	44.0	53.1	93.8	44.4	69.1	0.13
26	66.0	44.0	55.0	100.0	52.0	76.0	0.0
27	72.0	47.0	59.5	100.0	28.0	64.0	0.0
28	73.0	48.0	60.5	74.0	26.0	50.0	0.0
29	64.0	47.0	55.5	84.0	46.0	65.0	0.0
30	62.0	45.0	53.5	100.0	50.0	75.0	0.0
MEAN	67.4	46.2	56.8	91.6	40.4	66.0	0.0
MONTHLY MEAN	66.9	47.2	57.1	92.2	40.3	66.3	1.58

UPLAND PAPER BIRCH

SITE	1	JULY					1968
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	63.0	45.0	54.0	100.0	50.0	75.0	0.01
2	62.0	45.0	53.5	100.0	48.0	74.0	0.05
3	64.0	47.0	55.5	100.0	50.0	75.0	0.0
4	71.0	48.0	59.5	100.0	40.0	70.0	0.06
5	74.0	52.0	63.0	81.0	38.0	59.5	0.0
MEAN	66.8	47.4	57.1	96.2	45.2	70.7	0.12
6	76.0	56.0	66.0	68.0	38.0	53.0	0.0
7	80.0	60.0	70.0	60.0	32.0	46.0	0.0
8	82.0	60.0	71.0	46.0	20.0	33.0	0.0
9	82.0	56.0	69.0	72.0	20.0	46.0	0.0
10	76.0	50.0	63.0	89.0	20.0	54.5	0.0
MEAN	79.2	56.4	67.8	67.0	26.0	46.5	0.0
11	72.0	47.0	59.5	44.0	18.0	31.0	0.0
12	70.0	49.0	59.5	72.0	24.0	48.0	0.0
13	72.0	47.0	59.5	88.0	30.0	59.0	0.0
14	73.0	52.0	62.5	90.0	30.0	60.0	0.0
15	64.0	50.0	57.0	91.0	39.0	65.0	0.02
MEAN	70.2	49.0	59.6	77.0	28.2	52.6	0.02
16	68.0	46.0	57.0	84.0	30.0	57.0	0.0
17	70.0	46.0	58.0	78.0	26.0	52.0	0.0
18	72.0	50.0	61.0	59.0	24.0	41.5	0.0
19	78.0	53.0	65.5	66.0	22.0	44.0	0.0
20	78.0	51.0	64.5	86.0	20.0	53.0	0.0
MEAN	73.2	49.2	61.2	74.6	24.4	49.5	0.0
21	82.0	57.0	69.5	64.0	20.0	42.0	0.0
22	84.0	57.0	70.5	60.0	24.0	42.0	0.0
23	84.0	60.0	72.0	58.0	24.0	41.0	0.0
24	83.0	60.0	71.5	68.0	24.0	46.0	0.0
25	80.0	60.0	70.0	66.0	30.0	48.0	0.02
MEAN	82.6	58.8	70.7	63.2	24.4	43.8	0.02
26	78.0	54.0	66.0	50.0	30.0	40.0	0.0
27	74.0	52.0	63.0	92.0	30.0	61.0	0.0
28	64.0	48.0	56.0	100.0	46.0	73.0	0.11
29	70.0	50.0	60.0	88.0	36.0	62.0	0.0
30	73.0	50.0	61.5	76.0	30.0	53.0	0.0
31	71.0	49.0	60.0	100.0	38.0	69.0	0.40
MEAN	71.7	50.5	61.1	84.3	35.0	59.7	0.51
MONTHLY							
MEAN	73.9	51.8	62.9	77.3	30.7	54.0	0.67

UPLAND PAPER BIRCH

SITE 1 AUGUST 1968								SITE 1 SEPTEMBER 1968							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN			MAX	MIN	MEAN	MAX	MIN	MEAN	
1	64.0	50.0	57.0	98.0	58.0	78.0	0.25	1	57.0	39.0	48.0	86.0	41.0	63.5	0.0
2	65.0	49.0	57.0	100.0	50.0	75.0	0.02	2	58.0	39.0	48.5	80.0	30.0	55.0	0.0
3	66.0	48.0	57.0	92.0	44.0	68.0	0.0	3	59.0	36.0	47.5	66.0	28.0	47.0	0.0
4	70.0	48.0	59.0	80.0	38.0	59.0	0.0	4	60.0	42.0	51.0	50.0	30.0	40.0	0.0
5	71.0	51.0	61.0	100.0	34.0	67.0	0.17	5	60.0	42.0	51.0	77.0	30.0	53.5	0.0
MEAN	67.2	49.2	58.2	94.0	44.8	69.4	0.44	MEAN	58.8	39.6	49.2	71.8	31.8	51.8	0.0
6	80.0	58.0	69.0	97.0	40.0	68.5	0.0	6	62.0	41.0	51.5	80.0	30.0	55.0	0.0
7	80.0	62.0	71.0	76.0	36.0	56.0	0.0	7	62.0	38.0	50.0	64.0	30.0	47.0	0.0
8	78.0	55.0	66.5	60.0	36.0	48.0	0.0	8	62.0	40.0	51.0	70.0	32.0	51.0	0.0
9	77.0	56.0	66.5	67.0	33.0	50.0	0.0	9	64.0	44.0	54.0	78.0	32.0	55.0	0.0
10	76.0	54.0	65.0	62.0	30.0	46.0	0.0	10	64.0	45.0	54.5	64.0	32.0	48.0	0.0
MEAN	78.2	57.0	67.6	72.4	35.0	53.7	0.0	MEAN	62.8	41.6	52.2	71.2	31.2	51.2	0.0
11	79.0	52.0	65.5	66.0	30.0	48.0	0.0	11	58.0	42.0	50.0	94.0	46.0	70.0	0.0
12	78.0	51.0	64.5	86.0	32.0	59.0	0.0	12	54.0	40.0	47.0	94.0	46.0	70.0	0.02
13	80.0	56.0	68.0	69.0	30.0	49.5	0.0	13	60.0	38.0	49.0	86.0	40.0	63.0	0.0
14	80.0	54.0	67.0	68.0	26.0	47.0	0.0	14	60.0	37.0	48.5	86.0	40.0	63.0	0.42
15	70.0	48.0	59.0	100.0	37.0	68.5	0.0	15	56.0	37.0	46.5	100.0	40.0	70.0	0.0
MEAN	77.4	52.2	64.8	77.8	31.0	54.4	0.0	MEAN	57.6	38.8	48.2	92.0	42.4	67.2	0.44
16	71.0	46.0	58.5	98.0	26.0	62.0	0.0	16	54.0	35.0	44.5	100.0	56.0	78.0	0.0
17	70.0	51.0	60.5	100.0	40.0	70.0	0.08	17	42.0	30.0	36.0	100.0	62.0	81.0	0.01
18	66.0	47.0	56.5	98.0	44.0	71.0	0.0	18	39.0	30.0	34.5	96.0	62.0	79.0	0.0
19	66.0	48.0	57.0	98.0	42.0	70.0	0.0	19	39.0	29.0	34.0	100.0	64.0	82.0	0.03
20	72.0	50.0	61.0	93.0	36.0	64.5	0.0	20	40.0	29.0	34.5	100.0	56.0	78.0	0.0
MEAN	69.0	48.4	58.7	97.4	37.6	67.5	0.08	MEAN	42.8	30.6	36.7	99.2	60.0	79.6	0.04
21	70.0	47.0	58.5	100.0	38.0	69.0	0.07	21	38.0	24.0	31.0	90.0	46.0	68.0	0.0
22	64.0	48.0	56.0	100.0	60.0	80.0	0.04	22	38.0	23.0	30.5	98.0	46.0	72.0	0.0
23	64.0	48.0	56.0	100.0	60.0	80.0	0.54	23	37.0	23.0	30.0	100.0	54.0	77.0	0.0
24	60.0	46.0	53.0	100.0	56.0	78.0	0.0	24	33.0	16.0	24.5	90.0	40.0	65.0	0.0
25	65.0	46.0	55.5	100.0	44.0	72.0	0.0	25	32.0	22.0	27.0	100.0	50.0	75.0	0.0
MEAN	64.6	47.0	55.8	100.0	51.6	75.8	0.65	MEAN	35.6	21.6	28.6	95.6	47.2	71.4	0.0
26	64.0	45.0	54.5	100.0	46.0	73.0	0.0	26	42.0	29.0	35.5	80.0	50.0	65.0	0.0
27	64.0	44.0	54.0	100.0	50.0	75.0	0.0	27	48.0	30.0	39.0	80.0	44.0	62.0	0.0
28	62.0	46.0	54.0	100.0	48.0	74.0	0.05	28	48.0	33.0	40.5	100.0	46.0	73.0	0.0
29	52.0	40.0	46.0	100.0	58.0	79.0	0.03	29	42.0	22.0	32.0	100.0	64.0	82.0	0.0
30	57.0	38.0	47.5	100.0	49.0	74.5	0.0	MEAN	45.0	28.5	36.8	90.0	51.0	70.5	0.0
31	58.0	37.0	47.5	100.0	44.0	72.0	0.0	MONTHLY							
MEAN	59.5	41.7	50.6	100.0	49.2	74.6	0.08	MEAN	50.6	33.6	42.1	86.5	43.7	65.1	0.48
MONTHLY															
MEAN	69.0	49.0	59.0	90.6	41.8	66.2	1.25								

UPLAND PAPER BIRCH

SITE	1	MAY 1969						
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	
	MAX	MIN	MEAN	MAX	MIN	MEAN		
26	66.0	40.0	53.0	50.0	16.0	33.0	0.0	
27	50.0	25.0	37.5	74.0	20.0	47.0	0.0	
28	56.0	32.0	44.0	38.0	23.0	30.5	0.0	
29	66.0	40.0	53.0	40.0	17.0	28.5	0.0	
30	66.0	48.0	57.0	42.0	18.0	30.0	0.0	
31	77.0	45.0	61.0	44.0	20.0	32.0	0.0	
MEAN	63.5	38.3	50.9	48.0	19.0	33.5	0.0	
MONTHLY MEAN	63.5	38.3	50.9	48.0	19.0	33.5	0.0	

SITE	1	JUNE 1969						
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	
	MAX	MIN	MEAN	MAX	MIN	MEAN		
1	59.0	38.0	48.5	71.0	22.0	46.5	0.02	
2	67.0	41.0	54.0	62.0	14.0	38.0	0.04	
3	68.0	46.0	57.0	28.0	10.0	19.0	0.0	
4	69.0	45.0	57.0	70.0	14.0	42.0	0.0	
5	61.0	47.0	54.0	68.0	26.0	47.0	0.20	
MEAN	64.8	43.4	54.1	59.8	17.2	38.5	0.26	
6	70.0	46.0	58.0	40.0	20.0	30.0	0.0	
7	70.0	51.0	60.5	57.0	30.0	43.5	0.0	
8	74.0	54.0	64.0	50.0	30.0	40.0	0.0	
9	70.0	56.0	63.0	50.0	32.0	41.0	0.0	
10	73.0	47.0	60.0	60.0	28.0	44.0	0.0	
MEAN	71.4	50.8	61.1	51.4	28.0	39.7	0.0	
11	72.0	52.0	62.0	54.0	26.0	40.0	0.0	
12	78.0	51.0	64.5	63.0	30.0	46.5	0.0	
13	78.0	53.0	65.5	65.0	28.0	46.5	0.0	
14	86.0	60.0	73.0	50.0	26.0	38.0	0.0	
15	92.0	67.0	79.5	44.0	20.0	32.0	0.0	
MEAN	81.2	56.6	68.9	55.2	26.0	40.6	0.0	
16	93.0	67.0	80.0	39.0	16.0	27.5	0.0	
17	75.0	55.0	65.0	72.0	24.0	48.0	0.0	
18	74.0	53.0	63.5	72.0	24.0	48.0	0.0	
19	80.0	53.0	66.5	49.0	22.0	35.5	0.0	
20	88.0	60.0	74.0	40.0	20.0	30.0	0.0	
MEAN	82.0	57.6	69.8	54.4	21.2	37.8	0.0	
21	88.0	54.0	71.0	85.0	21.0	53.0	0.0	
22	84.0	66.0	75.0	42.0	24.0	33.0	0.0	
23	84.0	58.0	71.0	41.0	12.0	26.5	0.0	
24	80.0	54.0	67.0	44.0	14.0	29.0	0.0	
25	76.0	52.0	64.0	66.0	26.0	46.0	0.0	
MEAN	82.4	56.8	69.6	55.6	19.4	37.5	0.0	
26	80.0	53.0	66.5	73.0	25.0	49.0	0.0	
27	84.0	63.0	73.5	43.0	16.0	29.5	0.0	
28	84.0	62.0	73.0	51.0	18.0	34.5	0.0	
29	78.0	56.0	67.0	100.0	38.0	69.0	0.06	
30	68.0	53.0	60.5	94.0	36.0	65.0	0.0	
MEAN	78.8	57.4	68.1	72.2	26.6	49.4	0.06	
MONTHLY MEAN	76.8	53.8	65.3	58.1	23.1	40.6	0.32	

UPLAND PAPER BIRCH

SITE	1	JULY			1969		
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	69.0	51.0	60.0	90.0	31.0	60.5	0.0
2	70.0	54.0	62.0	98.0	36.0	67.0	0.03
3	70.0	52.0	61.0	100.0	26.0	63.0	0.09
4	72.0	51.0	61.5	92.0	30.0	61.0	0.0
5	75.0	53.0	64.0	78.0	28.0	53.0	0.0
MEAN	71.2	52.2	61.7	91.6	30.2	60.9	0.12
6	74.0	59.0	66.5	60.0	28.0	44.0	0.0
7	76.0	58.0	67.0	84.0	32.0	58.0	0.0
8	70.0	54.0	62.0	97.0	54.0	75.5	0.0
9	70.0	53.0	61.5	100.0	53.0	76.5	0.0
10	66.0	53.0	59.5	99.0	56.0	77.5	0.01
MEAN	71.2	55.4	63.3	88.0	44.6	66.3	0.01
11	68.0	54.0	61.0	100.0	50.0	75.0	0.08
12	74.0	50.0	62.0	76.0	33.0	54.5	0.0
13	75.0	54.0	64.5	100.0	33.0	66.5	0.01
14	75.0	56.0	65.5	100.0	37.0	68.5	0.0
15	74.0	52.0	63.0	100.0	45.0	72.5	0.02
MEAN	73.2	53.2	63.2	95.2	39.6	67.4	0.11
16	67.0	51.0	59.0	100.0	48.0	74.0	0.15
17	70.0	51.0	60.5	98.0	40.0	69.0	0.01
18	71.0	51.0	61.0	86.0	40.0	63.0	0.0
19	69.0	49.0	59.0	100.0	48.0	74.0	0.0
20	68.0	49.0	58.5	100.0	47.0	73.5	0.23
MEAN	69.0	50.2	59.6	96.8	44.6	70.7	0.39
21	64.0	49.0	56.5	100.0	50.0	75.0	0.04
22	66.0	50.0	58.0	90.0	44.0	67.0	0.02
23	62.0	43.0	52.5	100.0	52.0	76.0	0.04
24	48.0	44.0	46.0	100.0	96.0	98.0	0.47
25	52.0	41.0	46.5	100.0	66.0	83.0	0.17
MEAN	58.4	45.4	51.9	98.0	61.6	79.8	0.74
26	51.0	41.0	46.0	100.0	55.0	77.5	0.11
27	54.0	44.0	49.0	100.0	60.0	80.0	0.02
28	56.0	46.0	51.0	100.0	66.0	83.0	0.15
29	57.0	47.0	52.0	100.0	62.0	81.0	0.39
30	50.0	40.0	45.0	100.0	70.0	85.0	0.15
31	59.0	40.0	49.5	100.0	45.0	72.5	0.02
MEAN	54.5	43.0	48.8	100.0	59.7	79.8	0.84
MONTHLY							
MEAN	65.9	49.7	57.8	95.1	47.1	71.1	2.21

UPLAND PAPER BIRCH

SITE 1 AUGUST 1969							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	60.0	48.0	54.0	100.0	42.0	71.0	0.0
2	60.0	52.0	56.0	100.0	70.0	85.0	0.17
3	54.0	53.0	53.5	100.0	100.0	100.0	0.35
4	66.0	52.0	59.0	100.0	64.0	82.0	0.64
5	64.0	40.0	52.0	100.0	44.0	72.0	0.60
MEAN	60.8	49.0	54.9	100.0	64.0	82.0	1.76
6	53.0	37.0	45.0	79.0	44.0	61.5	0.0
7	51.0	31.0	41.0	100.0	50.0	75.0	0.12
8	40.0	32.0	36.0	100.0	62.0	81.0	0.07
9	49.0	40.0	44.5	100.0	82.0	91.0	0.61
10	46.0	26.0	36.0	92.0	40.0	66.0	0.0
MEAN	47.8	33.2	40.5	94.2	55.6	74.9	0.80
11	49.0	28.0	38.5	85.0	29.0	57.0	0.01
12	49.0	30.0	39.5	75.0	29.0	52.0	0.0
13	51.0	29.0	40.0	80.0	34.0	57.0	0.0
14	54.0	31.0	42.5	75.0	30.0	52.5	0.0
15	60.0	38.0	49.0	58.0	30.0	44.0	0.0
MEAN	52.6	31.2	41.9	74.6	30.4	52.5	0.01
16	63.0	42.0	52.5	60.0	32.0	46.0	0.0
17	59.0	41.0	50.0	92.0	32.0	62.0	0.02
18	60.0	38.0	49.0	59.0	30.0	44.5	0.0
19	58.0	36.0	47.0	74.0	30.0	52.0	0.0
20	48.0	37.0	42.5	100.0	50.0	75.0	0.0
MEAN	57.6	38.8	48.2	77.0	34.8	55.9	0.02
21	48.0	35.0	41.5	100.0	46.0	73.0	0.0
22	57.0	34.0	45.5	92.0	38.0	65.0	0.0
23	62.0	40.0	51.0	91.0	32.0	61.5	0.0
24	64.0	40.0	52.0	82.0	30.0	56.0	0.0
25	56.0	34.0	45.0	100.0	42.0	71.0	0.0
MEAN	57.4	36.6	47.0	93.0	37.6	65.3	0.0
26	54.0	36.0	45.0	90.0	37.0	63.5	0.0
27	58.0	36.0	47.0	88.0	30.0	59.0	0.0
28	65.0	44.0	54.5	50.0	26.0	38.0	0.0
29	66.0	48.0	57.0	59.0	28.0	43.5	0.0
30	67.0	46.0	56.5	64.0	29.0	46.5	0.0
31	62.0	42.0	52.0	98.0	34.0	66.0	0.0
MEAN	62.0	42.0	52.0	74.8	30.7	52.8	0.0
MONTHLY MEAN	56.5	38.6	47.6	85.3	41.8	63.5	2.59

SITE 1 SEPTEMBER 1969							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	64.0	41.0	52.5	98.0	36.0	67.0	0.0
2	66.0	44.0	55.0	87.0	31.0	59.0	0.0
3	66.0	44.0	55.0	90.0	28.0	59.0	0.0
4	52.0	36.0	44.0	100.0	52.0	76.0	0.0
5	55.0	40.0	47.5	100.0	46.0	73.0	0.22
MEAN	60.6	41.0	50.8	95.0	38.6	66.8	0.22
6	57.0	38.0	47.5	98.0	42.0	70.0	0.0
7	56.0	37.0	46.5	98.0	38.0	68.0	0.0
8	60.0	40.0	50.0	100.0	34.0	67.0	0.0
9	60.0	41.0	50.5	80.0	32.0	56.0	0.0
10	57.0	37.0	47.0	100.0	40.0	70.0	0.0
MEAN	58.0	38.6	48.3	95.2	37.2	66.2	0.0
11	60.0	42.0	51.0	99.0	36.0	67.5	0.0
12	58.0	39.0	48.5	99.0	36.0	67.5	0.0
13	56.0	41.0	48.5	82.0	40.0	61.0	0.0
14	60.0	42.0	51.0	76.0	38.0	57.0	0.0
MEAN	58.5	41.0	49.8	89.0	37.5	63.3	0.0
MONTHLY MEAN	59.1	40.1	49.6	93.4	37.8	65.6	0.22

UPLAND PAPER BIRCH

SITE 1 MAY 1970								SITE 1 JUNE 1970							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN			MAX	MIN	MEAN	MAX	MIN	MEAN	
20	66.0	44.0	55.0	68.0	32.0	50.0	0.0	1	68.0	45.0	56.5	98.0	34.0	66.0	0.10
MEAN	66.0	44.0	55.0	68.0	32.0	50.0	0.0	2	59.0	41.0	50.0	97.0	48.0	72.5	0.15
21	67.0	45.0	56.0	59.0	31.0	45.0	0.0	3	61.0	39.0	50.0	97.0	43.0	70.0	0.0
22	69.0	46.0	57.5	72.0	30.0	51.0	0.0	4	69.0	43.0	56.0	68.0	44.0	56.0	0.0
23	69.0	45.0	57.0	86.0	36.0	61.0	0.08	5	70.0	45.0	57.5	96.0	31.0	63.5	0.01
24	66.0	44.0	55.0	80.0	30.0	55.0	0.01	MEAN	65.4	42.6	54.0	91.2	40.0	65.6	0.26
25	68.0	44.0	56.0	74.0	23.0	48.5	0.44	6	72.0	47.0	59.5	77.0	34.0	55.5	0.0
MEAN	67.8	44.8	56.3	74.2	30.0	52.1	0.53	7	74.0	50.0	62.0	64.0	30.0	47.0	0.02
26	67.0	43.0	55.0	82.0	26.0	54.0	0.0	8	63.0	33.0	48.0	92.0	32.0	62.0	0.0
27	68.0	45.0	56.5	45.0	24.0	34.5	0.0	9	56.0	30.0	43.0	82.0	40.0	61.0	0.0
28	68.0	42.0	55.0	45.0	22.0	33.5	0.0	10	54.0	40.0	47.0	100.0	39.0	69.5	0.21
29	65.0	47.0	56.0	78.0	32.0	55.0	0.04	MEAN	63.8	40.0	51.9	83.0	35.0	59.0	0.23
30	62.0	47.0	54.5	82.0	42.0	62.0	0.19	11	60.0	41.0	50.5	96.0	48.0	72.0	0.04
31	66.0	48.0	57.0	76.0	40.0	58.0	0.01	12	62.0	44.0	53.0	92.0	38.0	65.0	0.0
MEAN	66.0	45.3	55.7	68.0	31.0	49.5	0.24	13	69.0	45.0	57.0	70.0	32.0	51.0	0.01
MONTHLY								14	69.0	47.0	58.0	88.0	26.0	57.0	0.50
MEAN	66.8	45.0	55.9	70.6	30.7	50.6	0.77	15	60.0	46.0	53.0	90.0	48.0	69.0	0.0
								MEAN	64.0	44.6	54.3	87.2	38.4	62.8	0.55
								16	60.0	36.0	48.0	100.0	48.0	74.0	0.08
								17	64.0	42.0	53.0	100.0	46.0	73.0	0.02
								18	64.0	46.0	55.0	57.0	32.0	44.5	0.0
								19	65.0	46.0	55.5	64.0	28.0	46.0	0.0
								20	66.0	44.0	55.0	90.0	28.0	59.0	0.0
								MEAN	63.8	42.8	53.3	82.2	36.4	59.3	0.10
								21	70.0	45.0	57.5	92.0	30.0	61.0	0.12
								22	60.0	46.0	53.0	100.0	44.0	72.0	0.54
								23	70.0	47.0	58.5	100.0	32.0	66.0	0.0
								24	72.0	49.0	60.5	100.0	30.0	65.0	0.03
								25	74.0	48.0	61.0	100.0	30.0	65.0	0.11
								MEAN	69.2	47.0	58.1	98.4	33.2	65.8	0.80
								26	74.0	48.0	61.0	100.0	32.0	66.0	0.02
								27	68.0	48.0	58.0	100.0	44.0	72.0	0.24
								28	68.0	49.0	58.5	100.0	38.0	69.0	0.39
								29	66.0	47.0	56.5	100.0	40.0	70.0	0.41
								30	58.0	47.0	52.5	100.0	86.0	93.0	0.09
								MEAN	66.8	47.8	57.3	100.0	48.0	74.0	1.15
								MONTHLY							
								MEAN	65.5	44.1	54.8	90.3	38.5	64.4	3.09

UPLAND PAPER BIRCH

SITE	1	JULY			1970		
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	72.0	49.0	60.5	100.0	44.0	72.0	0.0
2	74.0	55.0	64.5	100.0	38.0	69.0	0.0
3	78.0	53.0	65.5	100.0	34.0	67.0	0.44
4	66.0	53.0	59.5	100.0	50.0	75.0	0.33
5	69.0	48.0	58.5	100.0	32.0	66.0	0.0
MEAN	71.8	51.6	61.7	100.0	39.6	69.8	0.77
6	69.0	45.0	57.0	92.0	34.0	63.0	0.0
7	69.0	46.0	57.5	100.0	33.0	66.5	0.03
8	59.0	48.0	53.5	100.0	50.0	75.0	0.22
9	75.0	49.0	62.0	100.0	40.0	70.0	0.0
10	65.0	46.0	55.5	100.0	47.0	73.5	0.0
MEAN	67.4	46.8	57.1	98.4	40.8	69.6	0.25
11	67.0	46.0	56.5	100.0	30.0	65.0	0.0
12	68.0	49.0	58.5	75.0	31.0	53.0	0.0
13	70.0	50.0	60.0	76.0	30.0	53.0	0.0
14	70.0	48.0	59.0	98.0	30.0	64.0	0.03
15	64.0	50.0	57.0	100.0	48.0	74.0	0.01
MEAN	67.8	48.6	58.2	89.8	33.8	61.8	0.04
16	63.0	50.0	56.5	100.0	48.0	74.0	0.18
17	69.0	50.0	59.5	100.0	36.0	68.0	0.0
18	69.0	48.0	58.5	100.0	31.0	65.5	0.25
19	50.0	45.0	47.5	100.0	74.0	87.0	0.08
20	68.0	47.0	57.5	100.0	38.0	69.0	0.11
MEAN	63.8	48.0	55.9	100.0	45.4	72.7	0.62
21	74.0	48.0	61.0	84.0	30.0	57.0	0.0
22	74.0	50.0	62.0	96.0	30.0	63.0	0.0
23	69.0	47.0	58.0	100.0	30.0	65.0	0.0
24	74.0	51.0	62.5	86.0	36.0	61.0	0.0
25	74.0	52.0	63.0	80.0	38.0	59.0	0.0
MEAN	73.0	49.6	61.3	89.2	32.8	61.0	0.0
26	74.0	50.0	62.0	94.0	32.0	63.0	0.0
27	82.0	57.0	69.5	66.0	26.0	46.0	0.0
28	83.0	53.0	68.0	100.0	25.0	62.5	0.07
29	63.0	45.0	54.0	100.0	60.0	80.0	0.0
30	62.0	48.0	55.0	100.0	46.0	73.0	0.16
31	60.0	45.0	52.5	100.0	50.0	75.0	0.28
MEAN	70.7	49.7	60.2	93.3	39.8	66.6	0.51
MONTHLY							
MEAN	69.1	49.1	59.1	95.1	38.7	66.9	2.19

UPLAND PAPER BIRCH

SITE 1 AUGUST 1970							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	63.0	47.0	55.0	100.0	44.0	72.0	0.11
2	67.0	48.0	57.5	100.0	36.0	68.0	0.02
3	64.0	45.0	54.5	100.0	44.0	72.0	0.19
4	62.0	46.0	54.0	100.0	58.0	79.0	0.01
5	56.0	47.0	51.5	100.0	70.0	85.0	0.48
MEAN	62.4	46.6	54.5	100.0	50.4	75.2	0.81
6	60.0	42.0	51.0	100.0	50.0	75.0	0.01
7	62.0	48.0	55.0	94.0	50.0	72.0	0.24
8	60.0	43.0	51.5	100.0	52.0	76.0	0.0
9	64.0	42.0	53.0	100.0	42.0	71.0	0.0
10	65.0	44.0	54.5	100.0	42.0	71.0	0.0
MEAN	62.2	43.8	53.0	98.8	47.2	73.0	0.25
11	67.0	52.0	59.5	100.0	44.0	72.0	0.06
12	65.0	48.0	56.5	100.0	59.0	79.5	0.01
13	72.0	52.0	62.0	82.0	30.0	56.0	0.0
14	73.0	50.0	61.5	84.0	30.0	57.0	0.0
15	73.0	51.0	62.0	90.0	35.0	62.5	0.0
MEAN	70.0	50.6	60.3	91.2	39.6	65.4	0.07
16	66.0	48.0	57.0	100.0	50.0	75.0	0.0
17	67.0	48.0	57.5	100.0	42.0	71.0	0.0
18	66.0	50.0	58.0	64.0	38.0	51.0	0.0
19	68.0	48.0	58.0	84.0	36.0	60.0	0.0
20	66.0	46.0	56.0	78.0	33.0	55.5	0.0
MEAN	66.6	48.0	57.3	85.2	39.8	62.5	0.0
21	60.0	44.0	52.0	100.0	52.0	76.0	0.07
22	67.0	41.0	54.0	100.0	50.0	75.0	0.09
23	56.0	40.0	48.0	100.0	50.0	75.0	0.0
24	55.0	43.0	49.0	100.0	56.0	78.0	0.51
25	54.0	41.0	47.5	100.0	66.0	83.0	0.0
MEAN	58.4	41.8	50.1	100.0	54.8	77.4	0.67
26	63.0	45.0	54.0	100.0	48.0	74.0	0.0
27	68.0	46.0	57.0	100.0	48.0	74.0	0.0
28	69.0	50.0	59.5	60.0	34.0	47.0	0.0
29	65.0	49.0	57.0	80.0	38.0	59.0	0.02
30	57.0	47.0	52.0	100.0	58.0	79.0	0.27
31	55.0	48.0	51.5	100.0	85.0	92.5	0.05
MEAN	62.8	47.5	55.2	90.0	51.8	70.9	0.34
MONTHLY MEAN	63.7	46.4	55.1	94.1	47.4	70.7	2.14

SITE 1 SEPTEMBER 1970							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	60.0	46.0	53.0	100.0	54.0	77.0	0.04
2	59.0	43.0	51.0	100.0	54.0	77.0	0.02
3	56.0	38.0	47.0	100.0	42.0	71.0	0.0
4	56.0	45.0	50.5	90.0	44.0	67.0	0.0
5	54.0	38.0	46.0	100.0	62.0	81.0	0.0
MEAN	57.0	42.0	49.5	98.0	51.2	74.6	0.06
6	49.0	34.0	41.5	84.0	34.0	59.0	0.0
7	46.0	28.0	37.0	100.0	33.0	66.5	0.0
8	41.0	20.0	30.5	96.0	46.0	71.0	0.0
9	46.0	26.0	36.0	100.0	38.0	69.0	0.0
10	54.0	31.0	42.5	72.0	33.0	52.5	0.0
MEAN	47.2	27.8	37.5	90.4	36.8	63.6	0.0
11	58.0	40.0	49.0	52.0	28.0	40.0	0.0
12	56.0	44.0	50.0	100.0	32.0	66.0	0.07
13	52.0	48.0	50.0	100.0	94.0	97.0	0.35
MEAN	55.3	44.0	49.7	84.0	51.3	67.7	0.42
MONTHLY MEAN	52.8	37.0	44.9	91.8	45.7	68.8	0.48

UPLAND PAPER BIRCH

SITE 1		MAY 1971						
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	
	MAX	MIN	MEAN	MAX	MIN	MEAN		
27	59.0	36.0	47.5	92.0	34.0	63.0	0.0	
28	66.0	48.0	57.0	46.0	32.0	39.0	0.02	
29	64.0	43.0	53.5	80.0	29.0	54.5	0.0	
30	64.0	38.0	51.0	58.0	28.0	43.0	0.0	
31	65.0	44.0	54.5	55.0	32.0	43.5	0.0	
MEAN	63.6	41.8	52.7	66.2	31.0	48.6	0.02	
MONTHLY MEAN	63.6	41.8	52.7	66.2	31.0	48.6	0.02	

SITE 1		JUNE 1971						
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	
	MAX	MIN	MEAN	MAX	MIN	MEAN		
1	64.0	46.0	55.0	70.0	25.0	47.5	0.0	
2	56.0	39.0	47.5	60.0	34.0	47.0	0.0	
3	60.0	40.0	50.0	63.0	36.0	49.5	0.0	
4	69.0	43.0	56.0	58.0	29.0	43.5	0.0	
5	78.0	53.0	65.5	45.0	23.0	34.0	0.0	
MEAN	65.4	44.2	54.8	59.2	29.4	44.3	0.0	
6	80.0	56.0	68.0	40.0	22.0	31.0	0.0	
7	80.0	56.0	68.0	47.0	19.0	33.0	0.0	
8	76.0	52.0	64.0	48.0	18.0	33.0	0.0	
9	82.0	55.0	68.5	40.0	18.0	29.0	0.0	
10	82.0	61.0	71.5	50.0	18.0	34.0	0.01	
MEAN	80.0	56.0	68.0	45.0	19.0	32.0	0.01	
11	77.0	51.0	64.0	50.0	27.0	38.5	0.0	
12	70.0	45.0	57.5	66.0	28.0	47.0	0.0	
13	67.0	44.0	55.5	98.0	24.0	61.0	0.05	
14	58.0	41.0	49.5	94.0	20.0	57.0	0.03	
15	66.0	47.0	56.5	74.0	22.0	48.0	0.01	
MEAN	67.6	45.6	56.6	76.4	24.2	50.3	0.09	
16	69.0	46.0	57.5	54.0	22.0	38.0	0.0	
17	70.0	46.0	58.0	52.0	20.0	36.0	0.0	
18	70.0	48.0	59.0	66.0	18.0	42.0	0.0	
19	75.0	49.0	62.0	76.0	28.0	52.0	0.0	
20	75.0	54.0	64.5	89.0	36.0	62.5	0.05	
MEAN	71.8	48.6	60.2	67.4	24.8	46.1	0.05	
21	83.0	56.0	69.5	92.0	30.0	61.0	0.0	
22	78.0	51.0	64.5	92.0	24.0	58.0	0.0	
23	87.0	64.0	75.5	52.0	20.0	36.0	0.0	
24	86.0	62.0	74.0	34.0	12.0	23.0	0.0	
25	86.0	62.0	74.0	36.0	10.0	23.0	0.0	
MEAN	84.0	59.0	71.5	61.2	19.2	40.2	0.0	
26	84.0	62.0	73.0	32.0	13.0	22.5	0.0	
27	83.0	58.0	70.5	53.0	18.0	35.5	0.0	
28	80.0	53.0	66.5	36.0	20.0	28.0	0.0	
29	76.0	46.0	61.0	94.0	20.0	57.0	0.14	
30	59.0	36.0	47.5	94.0	34.0	64.0	0.0	
MEAN	76.4	51.0	63.7	61.8	21.0	41.4	0.14	
MONTHLY MEAN	74.2	50.7	62.5	61.8	22.9	42.4	0.29	

UPLAND PAPER BIRCH

SITE	1	JULY			1971		
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	58.0	38.0	48.0	98.0	30.0	64.0	0.03
2	68.0	42.0	55.0	94.0	32.0	63.0	0.40
3	73.0	50.0	61.5	76.0	26.0	51.0	0.0
4	76.0	51.0	63.5	78.0	25.0	51.5	0.0
5	76.0	49.0	62.5	93.0	24.0	58.5	0.0
MEAN	70.2	46.0	58.1	87.8	27.4	57.6	0.43
6	78.0	54.0	66.0	81.0	18.0	49.5	0.10
7	79.0	56.0	67.5	60.0	16.0	38.0	0.0
8	74.0	51.0	62.5	92.0	28.0	60.0	0.01
9	77.0	53.0	65.0	78.0	26.0	52.0	0.0
10	78.0	56.0	67.0	75.0	24.0	49.5	0.0
MEAN	77.2	54.0	65.6	77.2	22.4	49.8	0.11
11	78.0	54.0	66.0	90.0	34.0	62.0	0.33
12	62.0	56.0	59.0	92.0	60.0	76.0	0.79
13	60.0	55.0	57.5	92.0	87.0	89.5	0.38
14	58.0	43.0	50.5	93.0	76.0	84.5	0.70
15	58.0	40.0	49.0	93.0	40.0	66.5	0.03
MEAN	63.2	49.6	56.4	92.0	59.4	75.7	2.23
16	67.0	44.0	55.5	73.0	30.0	51.5	0.0
17	70.0	49.0	59.5	80.0	32.0	56.0	0.0
18	80.0	54.0	67.0	62.0	24.0	43.0	0.0
19	78.0	54.0	66.0	79.0	24.0	51.5	0.03
20	76.0	58.0	67.0	63.0	26.0	44.5	0.0
MEAN	74.2	51.8	63.0	71.4	27.2	49.3	0.03
21	69.0	47.0	58.0	93.0	24.0	58.5	0.05
22	67.0	46.0	56.5	56.0	26.0	41.0	0.0
23	70.0	49.0	59.5	60.0	24.0	42.0	0.0
24	72.0	51.0	61.5	59.0	26.0	42.5	0.0
25	71.0	47.0	59.0	86.0	30.0	58.0	0.01
MEAN	69.8	48.0	58.9	70.8	26.0	48.4	0.06
26	73.0	52.0	62.5	73.0	22.0	47.5	0.0
27	70.0	48.0	59.0	79.0	20.0	49.5	0.0
28	62.0	42.0	52.0	92.0	34.0	63.0	0.25
29	62.0	42.0	52.0	92.0	32.0	62.0	0.30
30	63.0	48.0	55.5	74.0	33.0	53.5	0.0
31	60.0	48.0	54.0	94.0	66.0	80.0	0.11
MEAN	65.0	46.7	55.8	84.0	34.5	59.3	0.66
MONTHLY							
MEAN	69.8	49.3	59.5	80.6	32.9	56.8	3.52

UPLAND PAPER BIRCH

SITE 1 AUGUST 1971							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	61.0	51.0	56.0	90.0	67.0	78.5	0.20
2	63.0	50.0	56.5	92.0	44.0	68.0	0.06
3	60.0	40.0	50.0	88.0	34.0	61.0	0.0
4	57.0	44.0	50.5	94.0	38.0	66.0	0.17
5	59.0	46.0	52.5	92.0	41.0	66.5	0.0
MEAN	60.0	46.2	53.1	91.2	44.8	68.0	0.43
6	58.0	49.0	53.5	92.0	60.0	76.0	0.0
7	57.0	50.0	53.5	92.0	73.0	82.5	0.16
8	56.0	49.0	52.5	92.0	83.0	87.5	0.15
9	57.0	54.0	55.5	94.0	90.0	92.0	0.43
10	58.0	52.0	55.0	94.0	94.0	94.0	0.46
MEAN	57.2	50.8	54.0	92.8	80.0	86.4	1.20
11	67.0	49.0	58.0	93.0	30.0	61.5	0.02
12	67.0	50.0	58.5	82.0	38.0	60.0	0.0
13	68.0	48.0	58.0	84.0	32.0	58.0	0.0
14	66.0	40.0	53.0	78.0	32.0	55.0	0.0
15	64.0	39.0	51.5	80.0	32.0	56.0	0.0
MEAN	66.4	45.2	55.8	83.4	32.8	58.1	0.02
16	68.0	44.0	56.0	66.0	30.0	48.0	0.0
17	70.0	49.0	59.5	66.0	27.0	46.5	0.0
18	72.0	52.0	62.0	66.0	28.0	47.0	0.0
19	72.0	52.0	62.0	80.0	27.0	53.5	0.0
20	64.0	42.0	53.0	100.0	56.0	78.0	0.97
MEAN	69.2	47.8	58.5	75.6	33.6	54.6	0.97
21	46.0	39.0	42.5	100.0	92.0	96.0	0.38
22	66.0	44.0	55.0	88.0	50.0	69.0	0.0
23	67.0	48.0	57.5	82.0	50.0	66.0	0.01
24	64.0	46.0	55.0	100.0	54.0	77.0	0.0
25	60.0	47.0	53.5	100.0	56.0	78.0	0.08
MEAN	60.6	44.8	52.7	94.0	60.4	77.2	0.47
26	63.0	46.0	54.5	100.0	60.0	80.0	0.0
27	64.0	44.0	54.0	100.0	44.0	72.0	0.0
28	65.0	43.0	54.0	100.0	31.0	65.5	0.0
29	71.0	44.0	57.5	100.0	30.0	65.0	0.0
30	70.0	44.0	57.0	100.0	26.0	63.0	0.0
31	63.0	47.0	55.0	100.0	48.0	74.0	0.33
MEAN	66.0	44.7	55.3	100.0	39.8	69.9	0.33
MONTHLY MEAN	63.3	46.5	54.9	89.8	48.3	69.1	3.42

SITE 1 SEPTEMBER 1971							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	54.0	41.0	47.5	100.0	72.0	86.0	0.15
2	46.0	40.0	43.0	100.0	96.0	98.0	0.60
3	43.0	34.0	38.5	100.0	98.0	99.0	0.09
4	44.0	37.0	40.5	100.0	98.0	99.0	0.53
5	45.0	35.0	40.0	100.0	100.0	100.0	0.0
MEAN	46.4	37.4	41.9	100.0	92.8	96.4	1.37
MONTHLY MEAN	46.4	37.4	41.9	100.0	92.8	96.4	1.37

UPLAND BLACK SPRUCE

SITE 2 JUNE 1968								SITE 2 JULY 1968							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN			MAX	MIN	MEAN	MAX	MIN	MEAN	
11	82.0	57.0	69.5	60.0	28.0	44.0	0.0	1	68.0	49.0	58.5	94.0	40.0	67.0	0.0
12	82.0	55.0	68.5	65.0	28.0	46.5	0.0	2	68.0	48.0	58.0	94.0	40.0	67.0	0.02
13	82.0	57.0	69.5	56.0	28.0	42.0	0.0	3	72.0	52.0	62.0	94.0	37.0	65.5	0.0
14	80.0	54.0	67.0	94.0	32.0	63.0	0.0	4	76.0	51.0	63.5	92.0	36.0	64.0	0.12
15	74.0	51.0	62.5	94.0	46.0	70.0	0.26	5	81.0	57.0	69.0	68.0	32.0	50.0	0.0
MEAN	80.0	54.8	67.4	73.8	32.4	53.1	0.26	MEAN	73.0	51.4	62.2	88.4	37.0	62.7	0.14
16	63.0	49.0	56.0	94.0	56.0	75.0	0.15	6	86.0	61.0	73.5	62.0	30.0	46.0	0.0
17	75.0	52.0	63.5	92.0	34.0	63.0	0.02	7	88.0	62.0	75.0	64.0	28.0	46.0	0.0
18	70.0	53.0	61.5	85.0	38.0	61.5	0.0	8	90.0	66.0	78.0	42.0	24.0	33.0	0.0
19	72.0	53.0	62.5	92.0	46.0	69.0	0.0	9	90.0	62.0	76.0	72.0	24.0	48.0	0.0
20	69.0	51.0	60.0	94.0	48.0	71.0	0.02	10	82.0	55.0	68.5	94.0	24.0	59.0	0.0
MEAN	69.8	51.6	60.7	91.4	44.4	67.9	0.19	MEAN	87.2	61.2	74.2	66.8	26.0	46.4	0.0
21	64.0	48.0	56.0	94.0	46.0	70.0	0.11	11	80.0	52.0	66.0	57.0	22.0	39.5	0.0
22	56.0	46.0	51.0	94.0	60.0	77.0	0.16	12	76.0	53.0	64.5	76.0	28.0	52.0	0.0
23	68.0	44.0	56.0	94.0	36.0	65.0	0.0	13	76.0	52.0	64.0	90.0	40.0	65.0	0.0
24	72.0	48.0	60.0	78.0	30.0	54.0	0.0	14	76.0	57.0	66.5	92.0	38.0	65.0	0.0
25	74.0	51.0	62.5	94.0	36.0	65.0	0.02	15	71.0	58.0	64.5	94.0	44.0	69.0	0.0
MEAN	66.8	47.4	57.1	90.8	41.6	66.2	0.29	MEAN	75.8	54.4	65.1	81.8	34.4	58.1	0.0
26	72.0	49.0	60.5	94.0	38.0	66.0	0.0	16	72.0	48.0	60.0	94.0	40.0	67.0	0.0
27	76.0	52.0	64.0	94.0	24.0	59.0	0.0	17	74.0	52.0	63.0	88.0	32.0	60.0	0.0
28	77.0	51.0	64.0	75.0	24.0	49.5	0.0	18	80.0	55.0	67.5	72.0	31.0	51.5	0.0
29	69.0	50.0	59.5	82.0	40.0	61.0	0.0	19	82.0	56.0	69.0	76.0	30.0	53.0	0.0
30	67.0	50.0	58.5	94.0	42.0	68.0	0.0	20	86.0	53.0	69.5	94.0	30.0	62.0	0.0
MEAN	72.2	50.4	61.3	87.8	33.6	60.7	0.0	MEAN	78.8	52.8	65.8	84.8	32.6	58.7	0.0
MONTHLY								21	88.0	58.0	73.0	84.0	22.0	53.0	0.0
MEAN	72.2	51.0	61.6	85.9	38.0	62.0	0.74	22	90.0	60.0	75.0	81.0	26.0	53.5	0.0
								23	90.0	63.0	76.5	64.0	26.0	45.0	0.0
								24	90.0	61.0	75.5	80.0	26.0	53.0	0.0
								25	86.0	62.0	74.0	68.0	24.0	46.0	0.0
								MEAN	88.8	60.8	74.8	75.4	24.8	50.1	0.0
								26	86.0	60.0	73.0	46.0	30.0	38.0	0.0
								27	82.0	57.0	69.5	79.0	30.0	54.5	0.0
								28	68.0	53.0	60.5	94.0	48.0	71.0	0.14
								29	74.0	53.0	63.5	85.0	40.0	62.5	0.0
								30	77.0	55.0	66.0	85.0	30.0	57.5	0.0
								31	74.0	51.0	62.5	92.0	34.0	63.0	0.25
								MEAN	76.8	54.8	65.8	80.2	35.3	57.8	0.39
								MONTHLY							
								MEAN	80.0	55.9	67.9	79.6	31.8	55.7	0.53

UPLAND BLACK SPRUCE

SITE	2	AUGUST 1968						
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	
	MAX	MIN	MEAN	MAX	MIN	MEAN		
1	64.0	52.0	58.0	90.0	52.0	71.0	0.22	
2	66.0	50.0	58.0	90.0	50.0	70.0	0.01	
3	66.0	49.0	57.5	86.0	46.0	66.0	0.0	
4	74.0	47.0	60.5	86.0	34.0	60.0	0.0	
5	70.0	54.0	62.0	94.0	38.0	66.0	0.17	
MEAN	68.0	50.4	59.2	89.2	44.0	66.6	0.40	
6	81.0	56.0	68.5	95.0	40.0	67.5	0.0	
7	82.0	59.0	70.5	90.0	38.0	64.0	0.0	
8	80.0	57.0	68.5	58.0	36.0	47.0	0.0	
9	80.0	56.0	68.0	72.0	34.0	53.0	0.0	
10	80.0	56.0	68.0	64.0	34.0	49.0	0.0	
MEAN	80.6	56.8	68.7	75.8	36.4	56.1	0.0	
11	81.0	53.0	67.0	68.0	32.0	50.0	0.0	
12	81.0	51.0	66.0	90.0	32.0	61.0	0.0	
13	83.0	53.0	68.0	82.0	38.0	60.0	0.0	
14	83.0	54.0	68.5	88.0	31.0	59.5	0.0	
15	74.0	49.0	61.5	94.0	38.0	66.0	0.0	
MEAN	80.4	52.0	66.2	84.4	34.2	59.3	0.0	
16	73.0	47.0	60.0	94.0	28.0	61.0	0.0	
17	68.0	53.0	60.5	94.0	48.0	71.0	0.09	
18	66.0	47.0	56.5	92.0	44.0	68.0	0.0	
19	68.0	46.0	57.0	96.0	48.0	72.0	0.0	
20	75.0	50.0	62.5	96.0	40.0	68.0	0.0	
MEAN	70.0	48.6	59.3	94.4	41.6	68.0	0.09	
21	72.0	49.0	60.5	96.0	42.0	69.0	0.08	
22	62.0	50.0	56.0	96.0	70.0	83.0	0.04	
23	63.0	49.0	56.0	96.0	66.0	81.0	1.05	
24	58.0	47.0	52.5	96.0	60.0	78.0	0.0	
25	66.0	46.0	56.0	96.0	50.0	73.0	0.0	
MEAN	64.2	48.2	56.2	96.0	57.6	76.8	1.17	
26	64.0	42.0	53.0	96.0	48.0	72.0	0.0	
27	64.0	42.0	53.0	96.0	50.0	73.0	0.0	
28	61.0	46.0	53.5	96.0	52.0	74.0	0.05	
29	52.0	42.0	47.0	96.0	66.0	81.0	0.10	
30	58.0	35.0	46.5	96.0	48.0	72.0	0.0	
31	54.0	37.0	45.5	96.0	50.0	73.0	0.0	
MEAN	58.8	40.7	49.8	96.0	52.3	74.2	0.15	
MONTHLY MEAN	70.0	49.2	59.6	89.5	44.6	67.1	1.81	

SITE	2	SEPTEMBER 1968						
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	
	MAX	MIN	MEAN	MAX	MIN	MEAN		
1	59.0	40.0	49.5	90.0	42.0	66.0	0.0	
2	60.0	39.0	49.5	83.0	30.0	56.5	0.0	
3	60.0	35.0	47.5	73.0	32.0	52.5	0.0	
4	62.0	41.0	51.5	52.0	30.0	41.0	0.0	
5	60.0	44.0	52.0	74.0	32.0	53.0	0.0	
MEAN	60.2	39.8	50.0	74.4	33.2	53.8	0.0	
6	63.0	43.0	53.0	76.0	32.0	54.0	0.0	
7	63.0	40.0	51.5	56.0	34.0	45.0	0.0	
8	62.0	40.0	51.0	70.0	38.0	54.0	0.0	
9	64.0	42.0	53.0	83.0	38.0	60.5	0.0	
10	62.0	46.0	54.0	66.0	38.0	52.0	0.0	
MEAN	62.8	42.2	52.5	70.2	36.0	53.1	0.0	
11	60.0	44.0	52.0	92.0	44.0	68.0	0.01	
12	54.0	41.0	47.5	95.0	50.0	72.5	0.01	
13	56.0	36.0	46.0	92.0	40.0	66.0	0.0	
14	55.0	35.0	45.0	90.0	36.0	63.0	0.0	
15	54.0	36.0	45.0	94.0	36.0	65.0	0.01	
MEAN	55.8	38.4	47.1	92.6	41.2	66.9	0.03	
16	49.0	35.0	42.0	94.0	52.0	73.0	0.0	
17	43.0	33.0	38.0	94.0	54.0	74.0	0.0	
18	42.0	33.0	37.5	82.0	54.0	68.0	0.06	
19	42.0	32.0	37.0	94.0	58.0	76.0	0.0	
20	39.0	31.0	35.0	94.0	60.0	77.0	0.0	
MEAN	43.0	32.8	37.9	91.6	55.6	73.6	0.06	
21	39.0	25.0	32.0	93.0	50.0	71.5	0.0	
22	36.0	22.0	29.0	95.0	54.0	74.5	0.0	
23	37.0	24.0	30.5	92.0	58.0	75.0	0.0	
24	35.0	20.0	27.5	95.0	55.0	75.0	0.0	
25	36.0	24.0	30.0	95.0	66.0	80.5	0.0	
MEAN	36.6	23.0	29.8	94.0	56.6	75.3	0.0	
26	42.0	31.0	36.5	94.0	66.0	80.0	0.0	
27	50.0	33.0	41.5	90.0	56.0	73.0	0.0	
28	50.0	33.0	41.5	95.0	60.0	77.5	0.0	
29	42.0	26.0	34.0	94.0	84.0	89.0	0.0	
MEAN	46.0	30.8	38.4	93.3	66.5	79.9	0.0	
MONTHLY MEAN	50.9	34.6	42.8	85.8	47.6	66.7	0.09	

UPLAND BLACK SPRUCE

SITE 2 MAY 1969								SITE 2 JUNE 1969							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN			MAX	MIN	MEAN	MAX	MIN	MEAN	
26	68.0	41.0	54.5	38.0	17.0	27.5	0.0	1	62.0	40.0	51.0	84.0	26.0	55.0	0.0
27	56.0	27.0	41.5	86.0	20.0	53.0	0.0	2	68.0	40.0	54.0	74.0	18.0	46.0	0.29
28	62.0	36.0	49.0	36.0	22.0	29.0	0.01	3	69.0	46.0	57.5	42.0	13.0	27.5	0.0
29	65.0	40.0	52.5	48.0	18.0	33.0	0.0	4	69.0	46.0	57.5	84.0	16.0	50.0	0.0
30	66.0	47.0	56.5	53.0	20.0	36.5	0.0	5	63.0	46.0	54.5	86.0	28.0	57.0	0.08
31	68.0	46.0	57.0	46.0	21.0	33.5	0.03	MEAN	66.2	43.6	54.9	74.0	20.2	47.1	0.37
MEAN	64.2	39.5	51.8	51.2	19.7	35.4	0.04	6	72.0	47.0	59.5	50.0	20.0	35.0	0.16
MONTHLY								7	73.0	53.0	63.0	48.0	20.0	34.0	0.0
MEAN	64.2	39.5	51.8	51.2	19.7	35.4	0.04	8	78.0	55.0	66.5	42.0	20.0	31.0	0.0
								9	78.0	58.0	68.0	42.0	19.0	30.5	0.0
								10	76.0	48.0	62.0	68.0	28.0	48.0	0.0
								MEAN	75.4	52.2	63.8	50.0	21.4	35.7	0.16
								11	75.0	52.0	63.5	54.0	24.0	39.0	0.0
								12	84.0	52.0	68.0	68.0	16.0	42.0	0.0
								13	84.0	54.0	69.0	72.0	16.0	44.0	0.0
								14	90.0	60.0	75.0	54.0	16.0	35.0	0.0
								15	94.0	68.0	81.0	44.0	12.0	28.0	0.0
								MEAN	85.4	57.2	71.3	58.4	16.8	37.6	0.0
								16	97.0	70.0	83.5	34.0	2.0	18.0	0.0
								17	80.0	54.0	67.0	80.0	15.0	47.5	0.0
								18	80.0	53.0	66.5	80.0	16.0	48.0	0.0
								19	82.0	55.0	68.5	56.0	12.0	34.0	0.0
								20	90.0	62.0	76.0	44.0	8.0	26.0	0.0
								MEAN	85.8	58.8	72.3	58.8	10.6	34.7	0.0
								21	89.0	53.0	71.0	79.0	12.0	45.5	0.0
								22	86.0	64.0	75.0	34.0	10.0	22.0	0.0
								23	86.0	57.0	71.5	38.0	10.0	24.0	0.0
								24	81.0	53.0	67.0	61.0	12.0	36.5	0.0
								25	75.0	50.0	62.5	80.0	31.0	55.5	0.0
								MEAN	83.4	55.4	69.4	58.4	15.0	36.7	0.0
								26	81.0	51.0	66.0	80.0	24.0	52.0	0.0
								27	85.0	61.0	73.0	55.0	16.0	35.5	0.0
								28	85.0	59.0	72.0	69.0	15.0	42.0	0.0
								29	77.0	54.0	65.5	96.0	37.0	66.5	0.04
								30	67.0	50.0	58.5	88.0	34.0	61.0	0.0
								MEAN	79.0	55.0	67.0	77.6	25.2	51.4	0.04
								MONTHLY							
								MEAN	79.2	53.7	66.4	62.9	18.2	40.5	0.57

UPLAND BLACK SPRUCE

SITE 2

JULY

1969

DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	68.0	49.0	58.5	80.0	36.0	58.0	0.0
2	68.0	51.0	59.5	80.0	36.0	58.0	0.04
3	66.0	52.0	59.0	80.0	36.0	58.0	0.06
4	74.0	49.0	61.5	80.0	32.0	56.0	0.02
5	88.0	51.0	69.5	80.0	30.0	55.0	0.0
MEAN	72.8	50.4	61.6	80.0	34.0	57.0	0.12
6	78.0	55.0	66.5	80.0	30.0	55.0	0.0
7	76.0	55.0	65.5	80.0	30.0	55.0	0.0
8	70.0	54.0	62.0	80.0	56.0	68.0	0.0
9	72.0	53.0	62.5	80.0	56.0	68.0	0.13
10	60.0	48.0	54.0	100.0	60.0	80.0	0.01
MEAN	71.2	53.0	62.1	84.0	46.4	65.2	0.14
11	68.0	53.0	60.5	96.0	54.0	75.0	0.13
12	76.0	49.0	62.5	89.0	44.0	66.5	0.04
13	76.0	54.0	65.0	98.0	44.0	71.0	0.02
14	74.0	54.0	64.0	98.0	46.0	72.0	0.0
15	74.0	53.0	63.5	100.0	50.0	75.0	0.01
MEAN	73.6	52.6	63.1	96.2	47.6	71.9	0.20
16	69.0	51.0	60.0	100.0	52.0	76.0	0.16
17	71.0	52.0	61.5	94.0	46.0	70.0	0.02
18	70.0	54.0	62.0	80.0	46.0	63.0	0.01
19	70.0	50.0	60.0	94.0	54.0	74.0	0.0
20	68.0	49.0	58.5	100.0	54.0	77.0	0.05
MEAN	69.6	51.2	60.4	93.6	50.4	72.0	0.24
21	67.0	50.0	58.5	100.0	54.0	77.0	0.07
22	67.0	48.0	57.5	94.0	52.0	73.0	0.01
23	64.0	45.0	54.5	100.0	56.0	78.0	0.02
24	51.0	46.0	48.5	100.0	84.0	92.0	0.43
25	54.0	42.0	48.0	100.0	64.0	82.0	0.14
MEAN	60.6	46.2	53.4	98.8	62.0	80.4	0.67
26	54.0	42.0	48.0	100.0	56.0	78.0	0.11
27	57.0	47.0	52.0	94.0	60.0	77.0	0.02
28	56.0	47.0	51.5	100.0	72.0	86.0	0.12
29	59.0	48.0	53.5	100.0	68.0	84.0	0.35
30	54.0	40.0	47.0	100.0	74.0	87.0	0.13
31	64.0	42.0	53.0	100.0	50.0	75.0	0.02
MEAN	57.3	44.3	50.8	99.0	63.3	81.2	0.75
MONTHLY							
MEAN	67.2	49.5	58.3	92.2	51.0	71.6	2.12

UPLAND BLACK SPRUCE

SITE 2 AUGUST 1969								SITE 2 SEPTEMBER 1969							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN			MAX	MIN	MEAN	MAX	MIN	MEAN	
1	62.0	54.0	58.0	100.0	52.0	76.0	0.0	1	68.0	44.0	56.0	88.0	40.0	64.0	0.0
2	62.0	54.0	58.0	100.0	74.0	87.0	0.27	2	70.0	44.0	57.0	82.0	36.0	59.0	0.0
3	58.0	55.0	56.5	100.0	94.0	97.0	0.38	3	66.0	48.0	57.0	78.0	38.0	58.0	0.0
4	68.0	54.0	61.0	100.0	74.0	87.0	0.61	4	58.0	38.0	48.0	90.0	50.0	70.0	0.0
5	66.0	42.0	54.0	100.0	52.0	76.0	0.51	5	56.0	44.0	50.0	94.0	48.0	71.0	0.23
MEAN	63.2	51.8	57.5	100.0	69.2	84.6	1.77	MEAN	63.6	43.6	53.6	86.4	42.4	64.4	0.23
6	56.0	37.0	46.5	90.0	54.0	72.0	0.01	6	59.0	40.0	49.5	90.0	44.0	67.0	0.0
7	53.0	34.0	43.5	100.0	60.0	80.0	0.13	7	58.0	38.0	48.0	92.0	48.0	70.0	0.0
8	44.0	34.0	39.0	100.0	68.0	84.0	0.05	8	62.0	41.0	51.5	94.0	42.0	68.0	0.0
9	52.0	41.0	46.5	100.0	70.0	85.0	0.61	9	62.0	48.0	55.0	64.0	42.0	53.0	0.0
10	48.0	28.0	38.0	96.0	44.0	70.0	0.02	10	60.0	42.0	51.0	92.0	46.0	69.0	0.03
MEAN	50.6	34.8	42.7	97.2	59.2	78.2	0.82	MEAN	60.2	41.8	51.0	86.4	44.4	65.4	0.03
11	50.0	30.0	40.0	88.0	36.0	62.0	0.0	11	62.0	41.0	51.5	94.0	42.0	68.0	0.0
12	50.0	32.0	41.0	72.0	36.0	54.0	0.0	12	60.0	38.0	49.0	94.0	42.0	68.0	0.0
13	53.0	31.0	42.0	78.0	40.0	59.0	0.0	13	58.0	40.0	49.0	78.0	46.0	62.0	0.0
14	58.0	36.0	47.0	68.0	38.0	53.0	0.0	14	62.0	41.0	51.5	72.0	44.0	58.0	0.0
15	63.0	38.0	50.5	66.0	38.0	52.0	0.0	MEAN	60.5	40.0	50.3	84.5	43.5	64.0	0.0
MEAN	54.8	33.4	44.1	74.4	37.6	56.0	0.0	MONTHLY MEAN	61.5	41.9	51.7	85.9	43.4	64.6	0.26
16	66.0	44.0	55.0	70.0	38.0	54.0	0.0								
17	65.0	42.0	53.5	80.0	40.0	60.0	0.0								
18	62.0	40.0	51.0	64.0	38.0	51.0	0.0								
19	58.0	38.0	48.0	78.0	40.0	59.0	0.0								
20	50.0	39.0	44.5	94.0	54.0	74.0	0.0								
MEAN	60.2	40.6	50.4	77.2	42.0	59.6	0.0								
21	50.0	37.0	43.5	94.0	50.0	72.0	0.0								
22	60.0	36.0	48.0	86.0	42.0	64.0	0.0								
23	66.0	42.0	54.0	84.0	38.0	61.0	0.0								
24	64.0	38.0	51.0	90.0	40.0	65.0	0.0								
25	60.0	37.0	48.5	94.0	44.0	69.0	0.0								
MEAN	60.0	38.0	49.0	89.6	42.8	66.2	0.0								
26	54.0	38.0	46.0	86.0	44.0	65.0	0.0								
27	62.0	36.0	49.0	88.0	38.0	63.0	0.0								
28	68.0	42.0	55.0	68.0	36.0	52.0	0.0								
29	71.0	49.0	60.0	62.0	36.0	49.0	0.0								
30	68.0	46.0	57.0	68.0	36.0	52.0	0.0								
31	64.0	45.0	54.5	86.0	40.0	63.0	0.0								
MEAN	64.5	42.7	53.6	76.3	38.3	57.3	0.0								
MONTHLY MEAN	59.1	40.3	49.7	85.5	47.9	66.7	2.59								

UPLAND BLACK SPRUCE

SITE 2 MAY 1970								SITE 2 JUNE 1970							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN			MAX	MIN	MEAN	MAX	MIN	MEAN	
20	68.0	44.0	56.0	76.0	29.0	52.5	0.0	1	68.0	46.0	57.0	96.0	27.0	61.5	0.07
MEAN	68.0	44.0	56.0	76.0	29.0	52.5	0.0	2	58.0	41.0	49.5	98.0	44.0	71.0	0.03
21	70.0	44.0	57.0	62.0	24.0	43.0	0.0	3	65.0	41.0	53.0	88.0	36.0	62.0	0.0
22	69.0	46.0	57.5	76.0	26.0	51.0	0.0	4	71.0	47.0	59.0	62.0	22.0	42.0	0.0
23	70.0	45.0	57.5	89.0	30.0	59.5	0.01	5	72.0	48.0	60.0	94.0	20.0	57.0	0.04
24	67.0	44.0	55.5	86.0	20.0	53.0	0.0	MEAN	66.8	44.6	55.7	87.6	29.8	58.7	0.14
25	68.0	44.0	56.0	72.0	17.0	44.5	0.49	6	76.0	47.0	61.5	80.0	34.0	57.0	0.0
MEAN	68.8	44.6	56.7	77.0	23.4	50.2	0.50	7	76.0	51.0	63.5	82.0	24.0	53.0	0.0
26	76.0	42.0	59.0	87.0	20.0	53.5	0.0	8	66.0	38.0	52.0	80.0	25.0	52.5	0.0
27	67.0	44.0	55.5	51.0	18.0	34.5	0.0	9	58.0	33.0	45.5	74.0	30.0	52.0	0.0
28	66.0	43.0	54.5	48.0	16.0	32.0	0.0	10	59.0	43.0	51.0	90.0	29.0	59.5	0.18
29	65.0	46.0	55.5	76.0	28.0	52.0	0.03	MEAN	67.0	42.4	54.7	81.2	28.4	54.8	0.18
30	65.0	46.0	55.5	84.0	36.0	60.0	0.06	11	61.0	43.0	52.0	90.0	36.0	63.0	0.06
31	65.0	44.0	54.5	85.0	32.0	58.5	0.02	12	66.0	45.0	55.5	87.0	25.0	56.0	0.0
MEAN	67.3	44.2	55.8	71.8	25.0	48.4	0.11	13	70.0	48.0	59.0	68.0	22.0	45.0	0.01
MONTHLY								14	69.0	47.0	58.0	88.0	26.0	57.0	0.25
MEAN	68.0	44.3	56.2	74.3	24.7	49.5	0.61	15	60.0	46.0	53.0	90.0	48.0	69.0	0.19
								MEAN	65.2	45.8	55.5	84.6	31.4	58.0	0.51
								16	60.0	41.0	50.5	100.0	48.0	74.0	0.03
								17	65.0	43.0	54.0	100.0	46.0	73.0	0.04
								18	66.0	47.0	56.5	64.0	30.0	47.0	0.0
								19	66.0	50.0	58.0	64.0	30.0	47.0	0.0
								20	68.0	45.0	56.5	79.0	30.0	54.5	0.0
								MEAN	65.0	45.2	55.1	81.4	36.8	59.1	0.07
								21	72.0	47.0	59.5	82.0	30.0	56.0	0.07
								22	63.0	49.0	56.0	100.0	58.0	79.0	0.52
								23	69.0	49.0	59.0	100.0	36.0	68.0	0.0
								24	72.0	50.0	61.0	100.0	34.0	67.0	0.67
								25	75.0	48.0	61.5	98.0	40.0	69.0	0.03
								MEAN	70.2	48.6	59.4	96.0	39.6	67.8	1.29
								26	74.0	50.0	62.0	100.0	44.0	72.0	0.05
								27	69.0	50.0	59.5	100.0	56.0	78.0	0.20
								28	69.0	51.0	60.0	100.0	50.0	75.0	0.83
								29	68.0	49.0	58.5	100.0	52.0	76.0	0.33
								30	57.0	50.0	53.5	100.0	74.0	87.0	0.06
								MEAN	67.4	50.0	58.7	100.0	55.2	77.6	1.47
								MONTHLY							
								MEAN	66.9	46.1	56.5	88.5	36.9	62.7	3.66

UPLAND BLACK SPRUCE

SITE 2		JULY			1970		
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	72.0	51.0	61.5	100.0	44.0	72.0	0.0
2	77.0	56.0	66.5	100.0	36.0	68.0	0.0
3	77.0	54.0	65.5	100.0	38.0	69.0	0.36
4	67.0	55.0	61.0	100.0	50.0	75.0	0.33
5	70.0	49.0	59.5	100.0	34.0	67.0	0.0
MEAN	72.6	53.0	62.8	100.0	40.4	70.2	0.69
6	70.0	46.0	58.0	100.0	36.0	68.0	0.0
7	71.0	47.0	59.0	96.0	36.0	66.0	0.02
8	66.0	50.0	58.0	100.0	50.0	75.0	0.23
9	67.0	50.0	58.5	98.0	42.0	70.0	0.0
10	64.0	48.0	56.0	98.0	52.0	75.0	0.0
MEAN	67.6	48.2	57.9	98.4	43.2	70.8	0.25
11	70.0	49.0	59.5	93.0	30.0	61.5	0.0
12	70.0	50.0	60.0	72.0	30.0	51.0	0.0
13	71.0	51.0	61.0	88.0	34.0	61.0	0.01
14	71.0	50.0	60.5	86.0	32.0	59.0	0.01
15	64.0	52.0	58.0	93.0	50.0	71.5	0.0
MEAN	69.2	50.4	59.8	86.4	35.2	60.8	0.02
16	66.0	52.0	59.0	90.0	48.0	69.0	0.0
17	70.0	51.0	60.5	100.0	36.0	68.0	0.08
18	71.0	52.0	61.5	92.0	34.0	63.0	0.29
19	51.0	46.0	48.5	92.0	79.0	85.5	0.10
20	70.0	48.0	59.0	92.0	40.0	66.0	0.07
MEAN	65.6	49.8	57.7	93.2	47.4	70.3	0.54
21	76.0	50.0	63.0	95.0	32.0	63.5	0.0
22	77.0	52.0	64.5	100.0	36.0	68.0	0.0
23	70.0	50.0	60.0	100.0	40.0	70.0	0.0
24	75.0	53.0	64.0	94.0	40.0	67.0	0.0
25	78.0	54.0	66.0	98.0	36.0	67.0	0.0
MEAN	75.2	51.8	63.5	97.4	36.8	67.1	0.0
26	78.0	52.0	65.0	98.0	30.0	64.0	0.0
27	84.0	58.0	71.0	73.0	26.0	49.5	0.0
28	85.0	56.0	70.5	100.0	26.0	63.0	0.07
29	64.0	46.0	55.0	100.0	60.0	80.0	0.01
30	64.0	50.0	57.0	100.0	42.0	71.0	0.18
31	63.0	46.0	54.5	100.0	48.0	74.0	0.19
MEAN	73.0	51.3	62.2	95.2	38.7	66.9	0.45
MONTHLY MEAN	70.6	50.8	60.7	95.1	40.2	67.7	1.95

UPLAND BLACK SPRUCE

SITE 2 AUGUST 1970								SITE 2 SEPTEMBER 1970							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN			MAX	MIN	MEAN	MAX	MIN	MEAN	
1	64.0	49.0	56.5	100.0	44.0	72.0	0.14	1	59.0	47.0	53.0	100.0	58.0	79.0	0.04
2	68.0	48.0	58.0	100.0	40.0	70.0	0.02	2	59.0	44.0	51.5	100.0	54.0	77.0	0.02
3	64.0	46.0	55.0	100.0	46.0	73.0	0.11	3	56.0	39.0	47.5	100.0	38.0	69.0	0.0
4	62.0	48.0	55.0	100.0	68.0	84.0	0.0	4	56.0	46.0	51.0	86.0	44.0	65.0	0.0
5	58.0	49.0	53.5	100.0	61.0	80.5	0.44	5	54.0	40.0	47.0	100.0	60.0	80.0	0.0
MEAN	63.2	48.0	55.6	100.0	51.8	75.9	0.71	MEAN	56.8	43.2	50.0	97.2	50.8	74.0	0.06
6	62.0	44.0	53.0	100.0	48.0	74.0	0.01	6	50.0	34.0	42.0	100.0	36.0	68.0	0.0
7	63.0	50.0	56.5	100.0	50.0	75.0	0.27	7	48.0	31.0	39.5	100.0	34.0	67.0	0.0
8	62.0	45.0	53.5	100.0	48.0	74.0	0.0	8	40.0	24.0	32.0	90.0	50.0	70.0	0.0
9	63.0	44.0	53.5	100.0	42.0	71.0	0.0	9	46.0	26.0	36.0	100.0	40.0	70.0	0.0
10	69.0	46.0	57.5	100.0	38.0	69.0	0.0	10	52.0	28.0	40.0	90.0	32.0	61.0	0.0
MEAN	63.8	45.8	54.8	100.0	45.2	72.6	0.28	MEAN	47.2	28.6	37.9	96.0	38.4	67.2	0.0
11	69.0	53.0	61.0	84.0	40.0	62.0	0.05	11	58.0	40.0	49.0	62.0	30.0	46.0	0.0
12	63.0	50.0	56.5	100.0	64.0	82.0	0.0	12	58.0	46.0	52.0	100.0	34.0	67.0	0.10
13	74.0	52.0	63.0	90.0	34.0	62.0	0.0	13	53.0	50.0	51.5	100.0	92.0	96.0	0.34
14	75.0	50.0	62.5	92.0	26.0	59.0	0.0	MEAN	56.3	45.3	50.8	87.3	52.0	69.7	0.44
15	72.0	50.0	61.0	100.0	40.0	70.0	0.0	MONTHLY MEAN	53.0	38.1	45.5	94.5	46.3	70.4	0.50
MEAN	70.6	51.0	60.8	93.2	40.8	67.0	0.05								
16	66.0	50.0	58.0	100.0	52.0	76.0	0.0								
17	68.0	49.0	58.5	100.0	34.0	67.0	0.0								
18	69.0	52.0	60.5	68.0	34.0	51.0	0.0								
19	68.0	49.0	58.5	84.0	34.0	59.0	0.0								
20	66.0	47.0	56.5	80.0	32.0	56.0	0.0								
MEAN	67.4	49.4	58.4	86.4	37.2	61.8	0.0								
21	61.0	47.0	54.0	100.0	50.0	75.0	0.07								
22	56.0	44.0	50.0	100.0	52.0	76.0	0.06								
23	56.0	41.0	48.5	100.0	52.0	76.0	0.0								
24	55.0	44.0	49.5	100.0	52.0	76.0	0.40								
25	54.0	43.0	48.5	100.0	52.0	76.0	0.0								
MEAN	56.4	43.8	50.1	100.0	51.6	75.8	0.53								
26	63.0	45.0	54.0	92.0	40.0	66.0	0.0								
27	69.0	45.0	57.0	100.0	30.0	65.0	0.0								
28	68.0	49.0	58.5	74.0	30.0	52.0	0.0								
29	67.0	51.0	59.0	92.0	36.0	64.0	0.0								
30	59.0	48.0	53.5	100.0	58.0	79.0	0.29								
31	56.0	50.0	53.0	100.0	86.0	93.0	0.08								
MEAN	63.7	48.0	55.8	93.0	46.7	69.8	0.37								
MONTHLY MEAN	64.2	47.7	55.9	95.4	45.6	70.5	1.94								

UPLAND BLACK SPRUCE

SITE	2	MAY			1971		
	TEMPERATURE			RELATIVE HUMIDITY			
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	PRECIP
26	67.0	45.0	56.0	54.0	30.0	42.0	0.0
27	64.0	37.0	50.5	97.0	32.0	64.5	0.0
28	66.0	48.0	57.0	46.0	32.0	39.0	0.0
29	64.0	43.0	53.5	80.0	29.0	54.5	0.01
30	64.0	38.0	51.0	58.0	28.0	43.0	0.0
31	65.0	44.0	54.5	55.0	32.0	43.5	0.0
MEAN	65.0	42.5	53.8	65.0	30.5	47.8	0.01
MONTHLY MEAN	65.0	42.5	53.8	65.0	30.5	47.8	0.01

SITE	2	JUNE			1971			
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	
	MAX	MIN	MEAN	MAX	MIN	MEAN		
1	60.0	44.0	52.0	66.0	28.0	47.0	0.0	
2	56.0	38.0	47.0	57.0	34.0	45.5	0.0	
3	62.0	37.0	49.5	63.0	35.0	49.0	0.0	
4	69.0	40.0	54.5	61.0	30.0	45.5	0.0	
5	79.0	50.0	64.5	50.0	26.0	38.0	0.0	
MEAN	65.2	41.8	53.5	59.4	30.6	45.0	0.0	
6	82.0	56.0	69.0	46.0	26.0	36.0	0.0	
7	82.0	54.0	68.0	50.0	24.0	37.0	0.0	
8	79.0	51.0	65.0	50.0	23.0	36.5	0.0	
9	86.0	54.0	70.0	45.0	22.0	33.5	0.0	
10	86.0	60.0	73.0	75.0	22.0	48.5	0.05	
MEAN	83.0	55.0	69.0	53.2	23.4	38.3	0.05	
11	74.0	50.0	62.0	58.0	32.0	45.0	0.0	
12	67.0	45.0	56.0	60.0	30.0	45.0	0.0	
13	65.0	41.0	53.0	88.0	38.0	63.0	0.02	
14	59.0	40.0	49.5	91.0	26.0	58.5	0.03	
15	67.0	46.0	56.5	94.0	34.0	64.0	0.02	
MEAN	66.4	44.4	55.4	78.2	32.0	55.1	0.07	
16	69.0	46.0	57.5	72.0	34.0	53.0	0.0	
17	72.0	46.0	59.0	70.0	30.0	50.0	0.0	
18	72.0	48.0	60.0	78.0	30.0	54.0	0.0	
19	78.0	49.0	63.5	96.0	42.0	69.0	0.0	
20	75.0	52.0	63.5	100.0	50.0	75.0	0.02	
MEAN	73.2	48.2	60.7	83.2	37.2	60.2	0.02	
21	83.0	56.0	69.5	100.0	38.0	69.0	0.0	
22	81.0	50.0	65.5	94.0	34.0	64.0	0.0	
23	88.0	61.0	74.5	74.0	32.0	53.0	0.0	
24	86.0	65.0	75.5	41.0	22.0	31.5	0.0	
25	85.0	63.0	74.0	45.0	20.0	32.5	0.0	
MEAN	84.6	59.0	71.8	70.8	29.2	50.0	0.0	
26	84.0	59.0	71.5	54.0	24.0	39.0	0.0	
27	84.0	57.0	70.5	76.0	29.0	52.5	0.0	
28	80.0	55.0	67.5	54.0	31.0	42.5	0.0	
29	75.0	46.0	60.5	100.0	34.0	67.0	0.12	
30	56.0	35.0	45.5	94.0	46.0	70.0	0.0	
MEAN	75.8	50.4	63.1	75.6	32.8	54.2	0.12	
MONTHLY MEAN	74.7	49.8	62.3	70.1	30.9	50.5	0.26	

UPLAND BLACK SPRUCE

SITE 2

JULY

1971

DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	59.0	36.0	47.5	100.0	39.0	69.5	0.0
2	68.0	41.0	54.5	100.0	42.0	71.0	0.38
3	74.0	49.0	61.5	100.0	38.0	69.0	0.04
4	74.0	48.0	61.0	100.0	36.0	68.0	0.0
5	78.0	48.0	63.0	100.0	36.0	68.0	0.0
MEAN	70.6	44.4	57.5	100.0	38.2	69.1	0.42
6	80.0	52.0	66.0	96.0	31.0	63.5	0.0
7	79.0	55.0	67.0	84.0	32.0	58.0	0.0
8	74.0	51.0	62.5	100.0	46.0	73.0	0.0
9	78.0	52.0	65.0	100.0	42.0	71.0	0.0
10	77.0	56.0	66.5	100.0	40.0	70.0	0.0
MEAN	77.6	53.2	65.4	96.0	38.2	67.1	0.0
11	80.0	56.0	68.0	100.0	46.0	73.0	0.24
12	65.0	58.0	61.5	100.0	78.0	89.0	0.60
13	62.0	56.0	59.0	100.0	100.0	100.0	0.43
14	60.0	45.0	52.5	100.0	76.0	88.0	0.44
15	60.0	39.0	49.5	100.0	44.0	72.0	0.03
MEAN	65.4	50.8	58.1	100.0	68.8	84.4	1.74
16	69.0	45.0	57.0	100.0	40.0	70.0	0.0
17	72.0	50.0	61.0	100.0	40.0	70.0	0.0
18	80.0	54.0	67.0	84.0	36.0	60.0	0.0
19	78.0	54.0	66.0	100.0	38.0	69.0	0.03
20	77.0	56.0	66.5	92.0	41.0	66.5	0.0
MEAN	75.2	51.8	63.5	95.2	39.0	67.1	0.03
21	72.0	48.0	60.0	100.0	38.0	69.0	0.06
22	78.0	43.0	60.5	86.0	38.0	62.0	0.0
23	72.0	48.0	60.0	82.0	38.0	60.0	0.0
24	74.0	50.0	62.0	82.0	39.0	60.5	0.0
25	74.0	48.0	61.0	100.0	40.0	70.0	0.01
MEAN	74.0	47.4	60.7	90.0	38.6	64.3	0.07
26	76.0	52.0	64.0	100.0	38.0	69.0	0.0
27	75.0	48.0	61.5	100.0	34.0	67.0	0.0
28	66.0	43.0	54.5	100.0	50.0	75.0	0.23
29	64.0	43.0	53.5	100.0	48.0	74.0	0.35
30	64.0	48.0	56.0	96.0	46.0	71.0	0.0
31	61.0	48.0	54.5	100.0	56.0	78.0	0.08
MEAN	67.7	47.0	57.3	99.3	45.3	72.3	0.66
MONTHLY MEAN	71.6	49.0	60.3	96.8	44.7	70.8	2.92

UPLAND BLACK SPRUCE

SITE 2 AUGUST 1971								SITE 2 SEPTEMBER 1971							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN			MAX	MIN	MEAN	MAX	MIN	MEAN	
1	61.0	52.0	56.5	100.0	76.0	88.0	0.16	1	54.0	40.0	47.0	100.0	70.0	85.0	0.15
2	63.0	52.0	57.5	100.0	60.0	80.0	0.06	2	45.0	39.0	42.0	100.0	98.0	99.0	0.59
3	62.0	41.0	51.5	100.0	50.0	75.0	0.0	3	41.0	32.0	36.5	100.0	100.0	100.0	0.07
4	58.0	46.0	52.0	100.0	52.0	76.0	0.19	4	43.0	37.0	40.0	100.0	92.0	96.0	0.51
5	58.0	46.0	52.0	100.0	60.0	80.0	0.0	5	45.0	35.0	40.0	100.0	60.0	80.0	0.0
MEAN	60.4	47.4	53.9	100.0	59.6	79.8	0.41	MEAN	45.6	36.6	41.1	100.0	84.0	92.0	1.32
6	59.0	48.0	53.5	100.0	71.0	85.5	0.0	MONTHLY MEAN	45.6	36.6	41.1	100.0	84.0	92.0	1.32
7	58.0	50.0	54.0	100.0	90.0	95.0	0.09								
8	57.0	52.0	54.5	100.0	96.0	98.0	0.21								
9	58.0	55.0	56.5	100.0	100.0	100.0	0.64								
10	59.0	53.0	56.0	100.0	100.0	100.0	0.45								
MEAN	58.2	51.6	54.9	100.0	91.4	95.7	1.39								
11	69.0	50.0	59.5	100.0	50.0	75.0	0.01								
12	69.0	50.0	59.5	100.0	52.0	76.0	0.0								
13	68.0	50.0	59.0	100.0	48.0	74.0	0.0								
14	64.0	40.0	52.0	100.0	48.0	74.0	0.02								
15	66.0	41.0	53.5	88.0	46.0	67.0	0.0								
MEAN	67.2	46.2	56.7	97.6	48.8	73.2	0.03								
16	70.0	44.0	57.0	94.0	42.0	68.0	0.0								
17	71.0	51.0	61.0	91.0	38.0	64.5	0.0								
18	76.0	51.0	63.5	82.0	39.0	60.5	0.0								
19	72.0	52.0	62.0	100.0	38.0	69.0	0.0								
20	64.0	43.0	53.5	100.0	62.0	81.0	0.81								
MEAN	70.6	48.2	59.4	93.4	43.8	68.6	0.81								
21	50.0	41.0	45.5	100.0	86.0	93.0	0.30								
22	62.0	46.0	54.0	100.0	58.0	79.0	0.0								
23	65.0	51.0	58.0	100.0	46.0	73.0	0.01								
24	62.0	44.0	53.0	100.0	48.0	74.0	0.0								
25	60.0	46.0	53.0	100.0	52.0	76.0	0.07								
MEAN	59.8	45.6	52.7	100.0	58.0	79.0	0.38								
26	63.0	44.0	53.5	100.0	46.0	73.0	0.0								
27	64.0	43.0	53.5	100.0	31.0	65.5	0.0								
28	65.0	43.0	54.0	100.0	30.0	65.0	0.0								
29	71.0	44.0	57.5	100.0	24.0	62.0	0.0								
30	70.0	44.0	57.0	100.0	26.0	63.0	0.0								
31	63.0	48.0	55.5	100.0	32.0	66.0	0.28								
MEAN	66.0	44.3	55.2	100.0	31.5	65.8	0.28								
MONTHLY MEAN	63.8	47.1	55.5	98.5	54.7	76.6	3.30								

LOWLAND BLACK SPRUCE

SITE 3 JUNE 1968								SITE 3 JULY 1968							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN			MAX	MIN	MEAN	MAX	MIN	MEAN	
5	62.0	39.0	50.5	96.0	48.0	72.0	0.01	1	66.0	45.0	55.5	96.0	44.0	70.0	0.0
MEAN	62.0	39.0	50.5	96.0	48.0	72.0	0.01	2	68.0	47.0	57.5	94.0	42.0	68.0	0.01
6	66.0	38.0	52.0	96.0	37.0	66.5	0.0	3	70.0	46.0	58.0	94.0	40.0	67.0	0.0
7	66.0	36.0	51.0	96.0	58.0	77.0	0.11	4	76.0	41.0	58.5	94.0	34.0	64.0	0.0
8	64.0	31.0	47.5	96.0	26.0	61.0	0.01	5	81.0	44.0	62.5	94.0	30.0	62.0	0.0
9	70.0	42.0	56.0	92.0	30.0	61.0	0.0	MEAN	72.2	44.6	58.4	94.4	38.0	66.2	0.01
10	78.0	41.0	59.5	93.0	26.0	59.5	0.0	6	84.0	46.0	65.0	94.0	30.0	62.0	0.0
MEAN	68.8	37.6	53.2	94.6	35.4	65.0	0.12	7	86.0	50.0	68.0	91.0	29.0	60.0	0.0
11	79.0	45.0	62.0	84.0	24.0	54.0	0.0	8	87.0	60.0	73.5	64.0	20.0	42.0	0.0
12	80.0	45.0	62.5	86.0	24.0	55.0	0.0	9	86.0	57.0	71.5	89.0	20.0	54.5	0.0
13	80.0	44.0	62.0	90.0	24.0	57.0	0.0	10	80.0	52.0	66.0	87.0	22.0	54.5	0.05
14	80.0	54.0	67.0	82.0	26.0	54.0	0.0	MEAN	84.6	53.0	68.8	85.0	24.2	54.6	0.05
15	74.0	45.0	59.5	90.0	43.0	66.5	0.56	11	87.0	51.0	69.0	72.0	20.0	46.0	0.0
MEAN	78.6	46.6	62.6	86.4	28.2	57.3	0.56	12	75.0	43.0	59.0	86.0	24.0	55.0	0.0
16	69.0	51.0	60.0	86.0	50.0	68.0	0.32	13	76.0	46.0	61.0	96.0	34.0	65.0	0.0
17	75.0	46.0	60.5	90.0	34.0	62.0	0.05	14	76.0	55.0	65.5	84.0	34.0	59.0	0.0
18	74.0	50.0	62.0	84.0	30.0	57.0	0.0	15	71.0	56.0	63.5	82.0	38.0	60.0	0.0
19	71.0	48.0	59.5	88.0	40.0	64.0	0.0	MEAN	77.0	50.2	63.6	84.0	30.0	57.0	0.0
20	72.0	55.0	63.5	84.0	40.0	62.0	0.06	16	72.0	40.0	56.0	87.0	32.0	59.5	0.0
MEAN	72.2	50.0	61.1	86.4	38.8	62.6	0.43	17	75.0	44.0	59.5	85.0	26.0	55.5	0.0
21	69.0	50.0	59.5	93.0	44.0	68.5	0.08	18	78.0	44.0	61.0	84.0	24.0	54.0	0.0
22	60.0	47.0	53.5	95.0	54.0	74.5	0.11	19	82.0	46.0	64.0	94.0	28.0	61.0	0.0
23	70.0	36.0	53.0	97.0	34.0	65.5	0.0	20	83.0	47.0	65.0	94.0	24.0	59.0	0.0
24	72.0	38.0	55.0	96.0	32.0	64.0	0.0	MEAN	78.0	44.2	61.1	88.8	26.8	57.8	0.0
25	74.0	46.0	60.0	94.0	36.0	65.0	0.05	21	87.0	47.0	67.0	94.0	18.0	56.0	0.0
MEAN	69.0	43.4	56.2	95.0	40.0	67.5	0.24	22	87.0	48.0	67.5	94.0	20.0	57.0	0.0
26	72.0	42.0	57.0	96.0	36.0	66.0	0.0	23	88.0	50.0	69.0	93.0	24.0	58.5	0.0
27	76.0	46.0	61.0	94.0	24.0	59.0	0.0	24	90.0	48.0	69.0	94.0	22.0	58.0	0.0
28	77.0	45.0	61.0	90.0	24.0	57.0	0.0	25	87.0	50.0	68.5	94.0	24.0	59.0	0.0
29	70.0	40.0	55.0	96.0	36.0	66.0	0.0	MEAN	87.8	48.6	68.2	93.8	21.6	57.7	0.0
30	68.0	54.0	61.0	78.0	38.0	58.0	0.0	26	82.0	55.0	68.5	59.0	26.0	42.5	0.0
MEAN	72.6	45.4	59.0	90.8	31.6	61.2	0.0	27	80.0	46.0	63.0	94.0	26.0	60.0	0.0
MONTHLY								28	72.0	54.0	63.0	95.0	49.0	72.0	0.14
MEAN	71.8	44.4	58.1	90.8	35.3	63.1	1.36	29	75.0	43.0	59.0	95.0	34.0	64.5	0.0
								30	75.0	48.0	61.5	94.0	30.0	62.0	0.01
								31	76.0	55.0	65.5	94.0	30.0	62.0	0.36
								MEAN	76.7	50.2	63.4	88.5	32.5	60.5	0.51
								MONTHLY							
								MEAN	79.3	48.5	63.9	89.1	29.0	59.0	0.57

LOWLAND BLACK SPRUCE

SITE 3 AUGUST 1968								SITE 3 SEPTEMBER 1968							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN			MAX	MIN	MEAN	MAX	MIN	MEAN	
1	69.0	56.0	62.5	94.0	62.0	78.0	0.22	1	62.0	40.0	51.0	94.0	34.0	64.0	0.0
2	70.0	52.0	61.0	96.0	56.0	76.0	0.0	2	62.0	29.0	45.5	94.0	32.0	63.0	0.0
3	70.0	50.0	60.0	94.0	50.0	72.0	0.0	3	62.0	27.0	44.5	94.0	30.0	62.0	0.0
4	72.0	41.0	56.5	95.0	40.0	67.5	0.0	4	66.0	30.0	48.0	94.0	28.0	61.0	0.0
5	74.0	56.0	65.0	94.0	38.0	66.0	0.18	5	66.0	44.0	55.0	94.0	28.0	61.0	0.0
MEAN	71.0	51.0	61.0	94.6	49.2	71.9	0.40	MEAN	63.6	34.0	48.8	94.0	30.4	62.2	0.0
6	82.0	50.0	66.0	94.0	44.0	69.0	0.0	6	66.0	35.0	50.5	95.0	32.0	63.5	0.0
7	84.0	51.0	67.5	94.0	38.0	66.0	0.0	7	66.0	30.0	48.0	94.0	30.0	62.0	0.0
8	81.0	60.0	70.5	78.0	35.0	56.5	0.0	8	66.0	31.0	48.5	94.0	32.0	63.0	0.0
9	81.0	47.0	64.0	94.0	32.0	63.0	0.0	9	68.0	36.0	52.0	94.0	30.0	62.0	0.0
10	81.0	46.0	63.5	94.0	30.0	62.0	0.0	10	68.0	33.0	50.5	94.0	30.0	62.0	0.0
MEAN	81.8	50.8	66.3	90.8	35.8	63.3	0.0	MEAN	66.8	33.0	49.9	94.2	30.8	62.5	0.0
11	81.0	42.0	61.5	94.0	30.0	62.0	0.0	11	63.0	41.0	52.0	94.0	40.0	67.0	0.02
12	82.0	42.0	62.0	94.0	28.0	61.0	0.0	12	69.0	35.0	52.0	94.0	52.0	73.0	0.0
13	83.0	43.0	63.0	94.0	26.0	60.0	0.0	13	64.0	29.0	46.5	94.0	26.0	60.0	0.0
14	84.0	47.0	65.5	94.0	24.0	59.0	0.0	14	63.0	28.0	45.5	94.0	30.0	62.0	0.0
15	76.0	40.0	58.0	94.0	40.0	67.0	0.0	15	62.0	40.0	51.0	94.0	26.0	60.0	0.0
MEAN	81.2	42.8	62.0	94.0	29.6	61.8	0.0	MEAN	64.2	34.6	49.4	94.0	34.8	64.4	0.02
16	76.0	38.0	57.0	94.0	28.0	61.0	0.0	16	56.0	35.0	45.5	94.0	42.0	68.0	0.0
17	72.0	54.0	63.0	94.0	28.0	61.0	0.08	17	48.0	32.0	40.0	94.0	55.0	74.5	0.0
18	70.0	37.0	53.5	94.0	44.0	69.0	0.0	18	46.0	36.0	41.0	94.0	55.0	74.5	0.0
19	70.0	40.0	55.0	94.0	44.0	69.0	0.0	19	46.0	34.0	40.0	94.0	58.0	76.0	0.02
20	76.0	42.0	59.0	94.0	30.0	62.0	0.0	20	44.0	31.0	37.5	94.0	64.0	79.0	0.0
MEAN	72.8	42.2	57.5	94.0	34.8	64.4	0.08	MEAN	48.0	33.6	40.8	94.0	54.8	74.4	0.02
21	75.0	52.0	63.5	94.0	32.0	63.0	0.09	21	44.0	23.0	33.5	94.0	40.0	67.0	0.0
22	68.0	50.0	59.0	94.0	60.0	77.0	0.10	22	44.0	13.0	28.5	94.0	40.0	67.0	0.0
23	68.0	52.0	60.0	94.0	58.0	76.0	0.66	23	42.0	26.0	34.0	94.0	44.0	69.0	0.0
24	64.0	51.0	57.5	94.0	52.0	73.0	0.0	24	39.0	12.0	25.5	94.0	36.0	65.0	0.0
25	68.0	37.0	52.5	94.0	44.0	69.0	0.0	25	40.0	23.0	31.5	94.0	36.0	65.0	0.0
MEAN	68.6	48.4	58.5	94.0	49.2	71.6	0.85	MEAN	41.8	19.4	30.6	94.0	39.2	66.6	0.0
26	68.0	33.0	50.5	94.0	40.0	67.0	0.0	26	47.0	28.0	37.5	94.0	48.0	71.0	0.0
27	68.0	35.0	51.5	94.0	40.0	67.0	0.0	27	55.0	28.0	41.5	94.0	38.0	66.0	0.0
28	67.0	41.0	54.0	94.0	48.0	71.0	0.11	28	55.0	26.0	40.5	94.0	38.0	66.0	0.0
29	58.0	42.0	50.0	94.0	58.0	76.0	0.10	29	49.0	29.0	39.0	94.0	55.0	74.5	0.01
30	61.0	30.0	45.5	94.0	42.0	68.0	0.0	MEAN	51.5	27.8	39.6	94.0	44.8	69.4	0.01
31	60.0	31.0	45.5	94.0	42.0	68.0	0.0	MONTHLY							
MEAN	63.7	35.3	49.5	94.0	45.0	69.5	0.21	MEAN	56.1	30.5	43.3	94.0	38.9	66.5	0.05
MONTHLY															
MEAN	72.9	44.8	58.8	93.6	40.7	67.2	1.54								

LOWLAND BLACK SPRUCE

SITE 3 MAY 1969								SITE 3 JUNE 1969							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN			MAX	MIN	MEAN	MAX	MIN	MEAN	
26	67.0	29.0	48.0	79.0	17.0	48.0	0.0	1	63.0	41.0	52.0	82.0	28.0	55.0	0.0
27	52.0	28.0	40.0	80.0	26.0	53.0	0.0	2	66.0	29.0	47.5	84.0	18.0	51.0	0.0
28	58.0	34.0	46.0	42.0	25.0	33.5	0.0	3	68.0	30.0	49.0	80.0	14.0	47.0	0.0
29	64.0	29.0	46.5	82.0	21.0	51.5	0.0	4	68.0	32.0	50.0	82.0	16.0	49.0	0.0
30	68.0	36.0	52.0	80.0	20.0	50.0	0.0	5	62.0	39.0	50.5	80.0	27.0	53.5	0.15
31	67.0	33.0	50.0	82.0	20.0	51.0	0.0	MEAN	65.4	34.2	49.8	81.6	20.6	51.1	0.15
MEAN	62.7	31.5	47.1	74.2	21.5	47.8	0.0	6	68.0	38.0	53.0	76.0	24.0	50.0	0.04
MONTHLY								7	70.0	44.0	57.0	76.0	22.0	49.0	0.0
MEAN	62.7	31.5	47.1	74.2	21.5	47.8	0.0	8	76.0	38.0	57.0	82.0	20.0	51.0	0.0
								9	76.0	54.0	65.0	68.0	20.0	44.0	0.0
								10	73.0	35.0	54.0	83.0	20.0	51.5	0.0
								MEAN	72.6	41.8	57.2	77.0	21.2	49.1	0.04
								11	74.0	40.0	57.0	74.0	18.0	46.0	0.0
								12	76.0	39.0	57.5	82.0	23.0	52.5	0.0
								13	78.0	56.0	67.0	52.0	21.0	36.5	0.0
								14	86.0	48.0	67.0	76.0	20.0	48.0	0.0
								15	92.0	50.0	71.0	80.0	16.0	48.0	0.0
								MEAN	81.2	46.6	63.9	72.8	19.6	46.2	0.0
								16	94.0	48.0	71.0	76.0	10.0	43.0	0.0
								17	78.0	43.0	60.5	84.0	20.0	52.0	0.0
								18	78.0	42.0	60.0	82.0	20.0	51.0	0.0
								19	79.0	41.0	60.0	78.0	18.0	48.0	0.0
								20	86.0	42.0	64.0	79.0	14.0	46.5	0.0
								MEAN	83.0	43.2	63.1	79.8	16.4	48.1	0.0
								21	88.0	52.0	70.0	74.0	18.0	46.0	0.0
								22	84.0	48.0	66.0	75.0	20.0	47.5	0.0
								23	84.0	52.0	68.0	66.0	14.0	40.0	0.0
								24	78.0	37.0	57.5	80.0	15.0	47.5	0.0
								25	74.0	38.0	56.0	82.0	22.0	52.0	0.0
								MEAN	81.6	45.4	63.5	75.4	17.8	46.6	0.0
								26	80.0	38.0	59.0	81.0	17.0	49.0	0.0
								27	82.0	43.0	62.5	76.0	14.0	45.0	0.0
								28	84.0	42.0	63.0	78.0	12.0	45.0	0.0
								29	78.0	55.0	66.5	78.0	24.0	51.0	0.03
								30	68.0	48.0	58.0	84.0	36.0	60.0	0.0
								MEAN	78.4	45.2	61.8	79.4	20.6	50.0	0.03
								MONTHLY							
								MEAN	77.0	42.7	59.9	77.7	19.4	48.5	0.22

LOWLAND BLACK SPRUCE

SITE 3		JULY			1969		
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	68.0	48.0	58.0	76.0	30.0	53.0	0.0
2	68.0	43.0	55.5	80.0	30.0	55.0	0.03
3	67.0	47.0	57.0	82.0	26.0	54.0	0.13
4	72.0	41.0	56.5	80.0	26.0	53.0	0.03
5	77.0	39.0	58.0	80.0	26.0	53.0	0.0
MEAN	70.4	43.6	57.0	79.6	27.6	53.6	0.19
6	78.0	42.0	60.0	80.0	26.0	53.0	0.0
7	78.0	42.0	60.0	81.0	24.0	52.5	0.0
8	70.0	46.0	58.0	80.0	42.0	61.0	0.0
9	71.0	49.0	60.0	80.0	43.0	61.5	0.24
10	70.0	50.0	60.0	100.0	58.0	79.0	0.16
MEAN	73.4	45.8	59.6	84.2	38.6	61.4	0.40
11	69.0	55.0	62.0	98.0	58.0	78.0	0.04
12	76.0	43.0	59.5	100.0	44.0	72.0	0.0
13	75.0	51.0	63.0	100.0	44.0	72.0	0.02
14	76.0	47.0	61.5	100.0	44.0	72.0	0.0
15	76.0	53.0	64.5	100.0	46.0	73.0	0.02
MEAN	74.4	49.8	62.1	99.6	47.2	73.4	0.08
16	70.0	51.0	60.5	100.0	46.0	73.0	0.31
17	72.0	51.0	61.5	100.0	42.0	71.0	0.01
18	73.0	46.0	59.5	100.0	44.0	72.0	0.0
19	72.0	43.0	57.5	100.0	47.0	73.5	0.0
20	70.0	42.0	56.0	100.0	48.0	74.0	0.14
MEAN	71.4	46.6	59.0	100.0	45.4	72.7	0.46
21	68.0	53.0	60.5	100.0	52.0	76.0	0.08
22	70.0	43.0	56.5	100.0	46.0	73.0	0.05
23	76.0	48.0	62.0	98.0	51.0	74.5	0.02
24	55.0	48.0	51.5	98.0	74.0	86.0	0.30
25	54.0	45.0	49.5	96.0	56.0	76.0	0.14
MEAN	64.6	47.4	56.0	98.4	55.8	77.1	0.59
26	57.0	43.0	50.0	96.0	50.0	73.0	0.12
27	60.0	45.0	52.5	96.0	54.0	75.0	0.0
28	59.0	46.0	52.5	100.0	66.0	83.0	0.09
29	61.0	50.0	55.5	98.0	59.0	78.5	0.36
30	55.0	39.0	47.0	100.0	60.0	80.0	0.12
31	63.0	32.0	47.5	100.0	42.0	71.0	0.0
MEAN	59.2	42.5	50.8	98.3	55.2	76.8	0.69
MONTHLY							
MEAN	68.6	45.8	57.2	93.5	45.3	69.4	2.41

LOWLAND BLACK SPRUCE

SITE 3 AUGUST 1969							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	65.0	45.0	55.0	98.0	42.0	70.0	0.01
2	65.0	56.0	60.5	98.0	60.0	79.0	0.12
3	61.0	56.0	58.5	98.0	74.0	86.0	0.48
4	70.0	56.0	63.0	100.0	74.0	87.0	0.58
5	68.0	44.0	56.0	100.0	52.0	76.0	0.46
MEAN	65.8	51.4	58.6	98.8	60.4	79.6	1.65
6	58.0	39.0	48.5	90.0	54.0	72.0	0.0
7	57.0	36.0	46.5	96.0	54.0	75.0	0.12
8	47.0	36.0	41.5	98.0	60.0	79.0	0.05
9	56.0	40.0	48.0	100.0	56.0	78.0	0.56
10	56.0	31.0	43.5	87.0	42.0	64.5	0.0
MEAN	54.8	36.4	45.6	94.2	53.2	73.7	0.73
11	50.0	28.0	39.0	97.0	36.0	66.5	0.0
12	50.0	29.0	39.5	100.0	36.0	68.0	0.0
13	52.0	26.0	39.0	98.0	38.0	68.0	0.0
14	57.0	24.0	40.5	100.0	35.0	67.5	0.0
15	62.0	27.0	44.5	100.0	34.0	67.0	0.0
MEAN	54.2	26.8	40.5	99.0	35.8	67.4	0.0
16	66.0	33.0	49.5	100.0	34.0	67.0	0.0
17	64.0	29.0	46.5	100.0	34.0	67.0	0.0
18	64.0	27.0	45.5	100.0	34.0	67.0	0.0
19	60.0	29.0	44.5	100.0	34.0	67.0	0.0
20	52.0	36.0	44.0	100.0	47.0	73.5	0.01
MEAN	61.2	30.8	46.0	100.0	36.6	68.3	0.01
21	52.0	35.0	43.5	100.0	48.0	74.0	0.0
22	59.0	29.0	44.0	100.0	43.0	71.5	0.01
23	64.0	31.0	47.5	100.0	38.0	69.0	0.0
24	66.0	27.0	46.5	100.0	36.0	68.0	0.0
25	62.0	34.0	48.0	100.0	40.0	70.0	0.14
MEAN	60.6	31.2	45.9	100.0	41.0	70.5	0.15
26	59.0	35.0	47.0	100.0	42.0	71.0	0.0
27	61.0	26.0	43.5	100.0	39.0	69.5	0.0
28	68.0	28.0	48.0	100.0	34.0	67.0	0.0
29	70.0	44.0	57.0	96.0	34.0	65.0	0.0
30	72.0	34.0	53.0	96.0	32.0	64.0	0.0
31	68.0	39.0	53.5	94.0	34.0	64.0	0.0
MEAN	66.3	34.3	50.3	97.7	35.8	66.8	0.0
MONTHLY MEAN	60.7	35.1	47.9	98.3	43.5	70.9	2.54

SITE 3 SEPTEMBER 1969							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	67.0	32.0	49.5	96.0	37.0	66.5	0.0
2	70.0	32.0	51.0	95.0	33.0	64.0	0.0
3	70.0	45.0	57.5	76.0	32.0	54.0	0.0
4	60.0	30.0	45.0	96.0	43.0	69.5	0.0
5	60.0	45.0	52.5	92.0	44.0	68.0	0.24
MEAN	65.4	36.8	51.1	91.0	37.8	64.4	0.24
6	62.0	29.0	45.5	96.0	38.0	67.0	0.0
7	61.0	27.0	44.0	96.0	38.0	67.0	0.0
8	64.0	30.0	47.0	94.0	36.0	65.0	0.0
9	64.0	48.0	56.0	64.0	35.0	49.5	0.0
10	62.0	44.0	53.0	88.0	40.0	64.0	0.04
MEAN	62.6	35.6	49.1	87.6	37.4	62.5	0.04
11	64.0	31.0	47.5	90.0	35.0	62.5	0.0
12	66.0	33.0	49.5	90.0	33.0	61.5	0.0
13	59.0	28.0	43.5	90.0	38.0	64.0	0.0
14	64.0	29.0	46.5	91.0	34.0	62.5	0.0
MEAN	63.3	30.3	46.8	90.3	35.0	62.6	0.0
MONTHLY MEAN	63.8	34.5	49.1	89.6	36.9	63.2	0.28

LOWLAND BLACK SPRUCE

SITE 3 MAY 1970								SITE 3 JUNE 1970							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN			MAX	MIN	MEAN	MAX	MIN	MEAN	
20	70.0	32.0	51.0	100.0	22.0	61.0	0.0	1	68.0	42.0	55.0	100.0	30.0	65.0	0.05
MEAN	70.0	32.0	51.0	100.0	22.0	61.0	0.0	2	60.0	40.0	50.0	100.0	42.0	71.0	0.0
21	72.0	33.0	52.5	100.0	22.0	61.0	0.0	3	68.0	32.0	50.0	100.0	34.0	67.0	0.0
22	72.0	41.0	56.5	100.0	26.0	63.0	0.0	4	74.0	34.0	54.0	100.0	22.0	61.0	0.0
23	73.0	43.0	58.0	100.0	30.0	65.0	0.01	5	73.0	49.0	61.0	100.0	26.0	63.0	0.02
24	69.0	43.0	56.0	100.0	24.0	62.0	0.01	MEAN	68.6	39.4	54.0	100.0	30.8	65.4	0.07
25	72.0	35.0	53.5	100.0	20.0	60.0	0.57	6	76.0	35.0	55.5	100.0	24.0	62.0	0.0
MEAN	71.6	39.0	55.3	100.0	24.4	62.2	0.59	7	76.0	37.0	56.5	100.0	20.0	60.0	0.0
26	69.0	35.0	52.0	100.0	22.0	61.0	0.0	8	64.0	38.0	51.0	92.0	22.0	57.0	0.0
27	68.0	30.0	49.0	100.0	20.0	60.0	0.0	9	57.0	23.0	40.0	100.0	32.0	66.0	0.0
28	68.0	31.0	49.5	100.0	17.0	58.5	0.0	10	58.0	33.0	45.5	100.0	31.0	65.5	0.17
29	66.0	41.0	53.5	100.0	31.0	65.5	0.0	MEAN	66.2	33.2	49.7	98.4	25.8	62.1	0.17
30	65.0	47.0	56.0	86.0	42.0	64.0	0.0	11	61.0	43.0	52.0	90.0	36.0	63.0	0.06
31	76.0	31.0	53.5	100.0	34.0	67.0	0.02	12	66.0	45.0	55.5	87.0	25.0	56.0	0.0
MEAN	68.7	35.8	52.3	97.7	27.7	62.7	0.02	13	70.0	48.0	59.0	68.0	22.0	45.0	0.01
MONTHLY								14	69.0	47.0	58.0	88.0	26.0	57.0	0.21
MEAN	70.0	36.8	53.4	98.8	25.8	62.3	0.61	15	60.0	46.0	53.0	90.0	39.0	64.5	0.19
								MEAN	65.2	45.8	55.5	84.6	29.6	57.1	0.47
								16	68.0	46.0	57.0	100.0	36.0	68.0	0.02
								17	68.0	47.0	57.5	100.0	40.0	70.0	0.03
								18	68.0	51.0	59.5	94.0	32.0	63.0	0.0
								19	69.0	41.0	55.0	96.0	32.0	64.0	0.0
								20	70.0	32.0	51.0	100.0	30.0	65.0	0.0
								MEAN	68.6	43.4	56.0	98.0	34.0	66.0	0.05
								21	72.0	40.0	56.0	100.0	30.0	65.0	0.07
								22	65.0	50.0	57.5	100.0	55.0	77.5	0.53
								23	72.0	50.0	61.0	100.0	35.0	67.5	0.01
								24	74.0	41.0	57.5	100.0	33.0	66.5	0.14
								25	77.0	42.0	59.5	100.0	34.0	67.0	0.05
								MEAN	72.0	44.6	58.3	100.0	37.4	68.7	0.80
								26	72.0	48.0	60.0	100.0	44.0	72.0	0.04
								27	68.0	48.0	58.0	100.0	50.0	75.0	0.13
								28	67.0	49.0	58.0	100.0	48.0	74.0	0.67
								29	66.0	48.0	57.0	100.0	49.0	74.5	0.34
								30	55.0	47.0	51.0	100.0	69.0	84.5	0.04
								MEAN	65.6	48.0	56.8	100.0	52.0	76.0	1.22
								MONTHLY							
								MEAN	67.7	42.4	55.0	96.8	34.9	65.9	2.78

LOWLAND BLACK SPRUCE

SITE 3

JULY

1970

DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	72.0	51.0	61.5	100.0	44.0	72.0	0.0
2	77.0	56.0	66.5	100.0	36.0	68.0	0.0
3	77.0	54.0	65.5	100.0	38.0	69.0	0.30
4	67.0	55.0	61.0	100.0	50.0	75.0	0.23
5	70.0	49.0	59.5	100.0	34.0	67.0	0.0
MEAN	72.6	53.0	62.8	100.0	40.4	70.2	0.53
6	70.0	46.0	58.0	100.0	36.0	68.0	0.0
7	71.0	47.0	59.0	96.0	36.0	66.0	0.03
8	66.0	50.0	58.0	100.0	50.0	75.0	0.20
9	67.0	50.0	58.5	98.0	42.0	70.0	0.0
10	64.0	48.0	56.0	98.0	52.0	75.0	0.0
MEAN	67.6	48.2	57.9	98.4	43.2	70.8	0.23
11	72.0	48.0	60.0	100.0	30.0	65.0	0.0
12	72.0	42.0	57.0	100.0	30.0	65.0	0.0
13	72.0	46.0	59.0	100.0	28.0	64.0	0.01
14	72.0	41.0	56.5	100.0	27.0	63.5	0.01
15	66.0	47.0	56.5	100.0	50.0	75.0	0.0
MEAN	70.8	44.8	57.8	100.0	33.0	66.5	0.02
16	68.0	49.0	58.5	100.0	48.0	74.0	0.0
17	72.0	45.0	58.5	100.0	32.0	66.0	0.0
18	72.0	52.0	62.0	100.0	32.0	66.0	0.29
19	54.0	46.0	50.0	100.0	78.0	89.0	0.08
20	73.0	48.0	60.5	100.0	32.0	66.0	0.06
MEAN	67.8	48.0	57.9	100.0	44.4	72.2	0.43
21	72.0	39.0	55.5	100.0	42.0	71.0	0.0
22	76.0	53.0	64.5	96.0	36.0	66.0	0.0
23	71.0	43.0	57.0	100.0	44.0	72.0	0.0
24	75.0	46.0	60.5	100.0	40.0	70.0	0.0
25	77.0	40.0	58.5	100.0	38.0	69.0	0.0
MEAN	74.2	44.2	59.2	99.2	40.0	69.6	0.0
26	77.0	41.0	59.0	100.0	30.0	65.0	0.0
27	83.0	43.0	63.0	100.0	29.0	64.5	0.0
28	85.0	55.0	70.0	96.0	30.0	63.0	0.05
29	65.0	46.0	55.5	100.0	66.0	83.0	0.01
30	68.0	47.0	57.5	100.0	50.0	75.0	0.13
31	64.0	39.0	51.5	100.0	54.0	77.0	0.19
MEAN	73.7	45.2	59.4	99.3	43.2	71.3	0.38
MONTHLY MEAN	71.2	47.2	59.2	99.5	40.8	70.1	1.59

LOWLAND BLACK SPRUCE

SITE 3 AUGUST 1970								SITE 3 SEPTEMBER 1970							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN			MAX	MIN	MEAN	MAX	MIN	MEAN	
1	65.0	48.0	56.5	100.0	50.0	75.0	0.14	1	63.0	45.0	54.0	100.0	52.0	76.0	0.04
2	69.0	39.0	54.0	100.0	50.0	75.0	0.02	2	63.0	41.0	52.0	100.0	54.0	77.0	0.04
3	67.0	39.0	53.0	100.0	46.0	73.0	0.19	3	59.0	38.0	48.5	100.0	44.0	72.0	0.0
4	63.0	48.0	55.5	100.0	60.0	80.0	0.0	4	59.0	46.0	52.5	100.0	45.0	72.5	0.0
5	61.0	46.0	53.5	100.0	68.0	84.0	0.36	5	59.0	42.0	50.5	100.0	54.0	77.0	0.0
MEAN	65.0	44.0	54.5	100.0	54.8	77.4	0.71	MEAN	60.6	42.4	51.5	100.0	49.8	74.9	0.08
6	62.0	46.0	54.0	100.0	52.0	76.0	0.01	6	53.0	31.0	42.0	100.0	36.0	68.0	0.0
7	65.0	40.0	52.5	100.0	52.0	76.0	0.31	7	52.0	27.0	39.5	100.0	36.0	68.0	0.0
8	61.0	43.0	52.0	100.0	54.0	77.0	0.0	8	41.0	20.0	30.5	100.0	50.0	75.0	0.0
9	66.0	33.0	49.5	100.0	44.0	72.0	0.0	9	48.0	15.0	31.5	100.0	42.0	71.0	0.01
10	68.0	35.0	51.5	100.0	43.0	71.5	0.0	10	56.0	16.0	36.0	100.0	38.0	69.0	0.0
MEAN	64.4	39.4	51.9	100.0	49.0	74.5	0.32	MEAN	50.0	21.8	35.9	100.0	40.4	70.2	0.01
11	68.0	44.0	56.0	100.0	44.0	72.0	0.05	11	61.0	28.0	44.5	100.0	28.0	64.0	0.0
12	66.0	43.0	54.5	100.0	64.0	82.0	0.0	12	61.0	44.0	52.5	100.0	32.0	66.0	0.07
13	74.0	41.0	57.5	100.0	32.0	66.0	0.0	13	55.0	51.0	53.0	100.0	84.0	92.0	0.32
14	76.0	40.0	58.0	100.0	30.0	65.0	0.0	MEAN	59.0	41.0	50.0	100.0	48.0	74.0	0.39
15	72.0	47.0	59.5	100.0	40.0	70.0	0.0	MONTHLY							
MEAN	71.2	43.0	57.1	100.0	42.0	71.0	0.05	MEAN	56.2	34.2	45.2	100.0	45.8	72.9	0.48
16	64.0	47.0	55.5	100.0	55.0	77.5	0.01								
17	66.0	48.0	57.0	100.0	32.0	66.0	0.0								
18	67.0	50.0	58.5	66.0	32.0	49.0	0.0								
19	66.0	47.0	56.5	82.0	32.0	57.0	0.0								
20	64.0	45.0	54.5	78.0	30.0	54.0	0.0								
MEAN	65.4	47.4	56.4	85.2	36.2	60.7	0.01								
21	61.0	47.0	54.0	100.0	50.0	75.0	0.07								
22	56.0	44.0	50.0	100.0	52.0	76.0	0.06								
23	56.0	41.0	48.5	100.0	52.0	76.0	0.0								
24	55.0	44.0	49.5	100.0	52.0	76.0	0.34								
25	54.0	43.0	48.5	100.0	52.0	76.0	0.0								
MEAN	56.4	43.8	50.1	100.0	51.6	75.8	0.47								
26	63.0	45.0	54.0	92.0	40.0	66.0	0.0								
27	69.0	45.0	57.0	100.0	30.0	65.0	0.0								
28	68.0	49.0	58.5	74.0	30.0	52.0	0.0								
29	67.0	51.0	59.0	92.0	36.0	64.0	0.02								
30	59.0	48.0	53.5	100.0	58.0	79.0	0.36								
31	56.0	50.0	53.0	100.0	86.0	93.0	0.10								
MEAN	63.7	48.0	55.8	93.0	46.7	69.8	0.48								
MONTHLY															
MEAN	64.3	44.4	54.4	96.3	46.7	71.5	2.04								

LOWLAND BLACK SPRUCE

SITE 3 MAY 1971								SITE 3 JUNE 1971							
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN			MAX	MIN	MEAN	MAX	MIN	MEAN	
26	63.0	30.0	46.5	90.0	20.0	55.0	0.0	1	64.0	41.0	52.5	92.0	20.0	56.0	0.0
27	62.0	36.0	49.0	90.0	24.0	57.0	0.0	2	60.0	33.0	46.5	87.0	30.0	58.5	0.0
28	66.0	47.0	56.5	64.0	30.0	47.0	0.0	3	64.0	30.0	47.0	98.0	28.0	63.0	0.0
29	65.0	46.0	55.5	94.0	20.0	57.0	0.0	4	73.0	30.0	51.5	100.0	22.0	61.0	0.0
30	65.0	29.0	47.0	96.0	21.0	58.5	0.0	5	80.0	39.0	59.5	92.0	18.0	55.0	0.0
31	69.0	46.0	57.5	50.0	27.0	38.5	0.0	MEAN	68.2	34.6	51.4	93.8	23.6	58.7	0.0
MEAN	65.0	39.0	52.0	80.7	23.7	52.2	0.0	6	83.0	40.0	61.5	92.0	16.0	54.0	0.0
MONTHLY								7	83.0	41.0	62.0	94.0	16.0	55.0	0.0
MEAN	65.0	39.0	52.0	80.7	23.7	52.2	0.0	8	77.0	38.0	57.5	98.0	18.0	58.0	0.0
								9	82.0	40.0	61.0	94.0	16.0	55.0	0.0
								10	82.0	50.0	66.0	80.0	18.0	49.0	0.0
								MEAN	81.4	41.8	61.6	91.6	16.8	54.2	0.0
								11	78.0	44.0	61.0	86.0	28.0	57.0	0.0
								12	71.0	39.0	55.0	95.0	27.0	61.0	0.0
								13	68.0	38.0	53.0	98.0	28.0	63.0	0.0
								14	62.0	37.0	49.5	100.0	26.0	63.0	0.06
								15	69.0	36.0	52.5	100.0	28.0	64.0	0.01
								MEAN	69.6	38.8	54.2	95.8	27.4	61.6	0.07
								16	69.0	42.0	55.5	88.0	28.0	58.0	0.0
								17	72.0	47.0	59.5	88.0	26.0	57.0	0.0
								18	73.0	46.0	59.5	86.0	25.0	55.5	0.0
								19	76.0	41.0	58.5	98.0	34.0	66.0	0.0
								20	73.0	44.0	58.5	98.0	40.0	69.0	0.0
								MEAN	72.6	44.0	58.3	91.6	30.6	61.1	0.0
								21	82.0	48.0	65.0	98.0	34.0	66.0	0.0
								22	81.0	47.0	64.0	95.0	28.0	61.5	0.0
								23	86.0	51.0	68.5	94.0	24.0	59.0	0.0
								24	86.0	54.0	70.0	70.0	17.0	43.5	0.0
								25	86.0	53.0	69.5	72.0	16.0	44.0	0.0
								MEAN	84.2	50.6	67.4	85.8	23.8	54.8	0.0
								26	84.0	48.0	66.0	82.0	19.0	50.5	0.0
								27	83.0	50.0	66.5	88.0	23.0	55.5	0.0
								28	80.0	40.0	60.0	90.0	24.0	57.0	0.0
								29	59.0	48.0	53.5	98.0	24.0	61.0	0.13
								30	54.0	31.0	42.5	94.0	34.0	64.0	0.0
								MEAN	72.0	43.4	57.7	90.4	24.8	57.6	0.13
								MONTHLY							
								MEAN	74.7	42.2	58.4	91.5	24.5	58.0	0.20

LOWLAND BLACK SPRUCE

SITE 3		JULY			1971		
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP
	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	60.0	29.0	44.5	100.0	33.0	66.5	0.01
2	66.0	42.0	54.0	96.0	38.0	67.0	0.40
3	73.0	39.0	56.0	98.0	28.0	63.0	0.0
4	74.0	40.0	57.0	98.0	26.0	62.0	0.0
5	75.0	39.0	57.0	98.0	24.0	61.0	0.0
MEAN	69.6	37.8	53.7	98.0	29.8	63.9	0.41
6	78.0	40.0	59.0	100.0	20.0	60.0	0.0
7	78.0	43.0	60.5	98.0	24.0	61.0	0.0
8	72.0	52.0	62.0	96.0	34.0	65.0	0.0
9	78.0	43.0	60.5	99.0	32.0	65.5	0.0
10	79.0	46.0	62.5	98.0	32.0	65.0	0.0
MEAN	77.0	44.8	60.9	98.2	28.4	63.3	0.0
11	79.0	57.0	68.0	95.0	36.0	65.5	0.19
12	66.0	57.0	61.5	100.0	60.0	80.0	0.59
13	64.0	58.0	61.0	100.0	84.0	92.0	0.44
14	63.0	47.0	55.0	100.0	62.0	81.0	0.33
15	62.0	34.0	48.0	100.0	40.0	70.0	0.06
MEAN	66.8	50.6	58.7	99.0	56.4	77.7	1.61
16	69.0	39.0	54.0	100.0	34.0	67.0	0.0
17	72.0	39.0	55.5	100.0	36.0	68.0	0.0
18	79.0	42.0	60.5	100.0	30.0	65.0	0.0
19	80.0	51.0	65.5	100.0	26.0	63.0	0.05
20	76.0	45.0	60.5	98.0	31.0	64.5	0.0
MEAN	75.2	43.2	59.2	99.6	31.4	65.5	0.05
21	72.0	50.0	61.0	92.0	32.0	62.0	0.02
22	66.0	32.0	49.0	100.0	30.0	65.0	0.0
23	71.0	35.0	53.0	100.0	28.0	64.0	0.0
24	72.0	41.0	56.5	94.0	28.0	61.0	0.0
25	72.0	38.0	55.0	100.0	30.0	65.0	0.01
MEAN	70.6	39.2	54.9	97.2	29.6	63.4	0.03
26	74.0	41.0	57.5	100.0	24.0	62.0	0.0
27	74.0	40.0	57.0	100.0	22.0	61.0	0.0
28	64.0	44.0	54.0	96.0	38.0	67.0	0.25
29	63.0	44.0	53.5	96.0	38.0	67.0	0.40
30	64.0	43.0	53.5	98.0	38.0	68.0	0.0
31	64.0	47.0	55.5	98.0	58.0	78.0	0.07
MEAN	67.2	43.2	55.2	98.0	36.3	67.2	0.72
MONTHLY							
MEAN	70.9	43.1	57.0	98.3	35.4	66.8	2.82

LOWLAND BLACK SPRUCE

SITE 3		AUGUST 1971						
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	
	MAX	MIN	MEAN	MAX	MIN	MEAN		
1	66.0	49.0	57.5	100.0	56.0	78.0	0.17	
2	65.0	50.0	57.5	100.0	44.0	72.0	0.03	
3	64.0	36.0	50.0	98.0	43.0	70.5	0.0	
4	58.0	46.0	52.0	98.0	43.0	70.5	0.26	
5	60.0	35.0	47.5	100.0	44.0	72.0	0.0	
MEAN	62.6	43.2	52.9	99.2	46.0	72.6	0.46	
6	60.0	41.0	50.5	100.0	56.0	78.0	0.0	
7	59.0	51.0	55.0	96.0	70.0	83.0	0.10	
8	58.0	50.0	54.0	98.0	74.0	86.0	0.21	
9	60.0	55.0	57.5	96.0	84.0	90.0	0.61	
10	60.0	54.0	57.0	96.0	76.0	86.0	0.21	
MEAN	59.4	50.2	54.8	97.2	72.0	84.6	1.13	
11	69.0	45.0	57.0	100.0	38.0	69.0	0.0	
12	69.0	39.0	54.0	100.0	36.0	68.0	0.0	
13	68.0	44.0	56.0	96.0	34.0	65.0	0.0	
14	64.0	30.0	47.0	100.0	32.0	66.0	0.03	
15	69.0	30.0	49.5	100.0	33.0	66.5	0.0	
MEAN	67.8	37.6	52.7	99.2	34.6	66.9	0.03	
16	69.0	30.0	49.5	100.0	30.0	65.0	0.0	
17	70.0	39.0	54.5	98.0	28.0	63.0	0.0	
18	73.0	38.0	55.5	98.0	29.0	63.5	0.0	
19	73.0	44.0	58.5	98.0	27.0	62.5	0.0	
20	64.0	44.0	54.0	98.0	50.0	74.0	0.58	
MEAN	69.8	39.0	54.4	98.4	32.8	65.6	0.58	
21	51.0	42.0	46.5	98.0	60.0	79.0	0.29	
22	63.0	36.0	49.5	100.0	52.0	76.0	0.0	
23	67.0	46.0	56.5	100.0	44.0	72.0	0.01	
24	67.0	35.0	51.0	100.0	50.0	75.0	0.0	
25	64.0	34.0	49.0	100.0	48.0	74.0	0.05	
MEAN	62.4	38.6	50.5	99.6	50.8	75.2	0.35	
26	66.0	34.0	50.0	100.0	42.0	71.0	0.0	
27	66.0	32.0	49.0	100.0	36.0	68.0	0.0	
28	68.0	32.0	50.0	100.0	34.0	67.0	0.0	
29	72.0	32.0	52.0	100.0	30.0	65.0	0.0	
30	72.0	32.0	52.0	100.0	30.0	65.0	0.0	
31	65.0	50.0	57.5	94.0	44.0	69.0	0.25	
MEAN	68.2	35.3	51.8	99.0	36.0	67.5	0.25	
MONTHLY MEAN	65.1	40.5	52.8	98.8	45.1	71.9	2.80	

SITE 3		SEPTEMBER 1971						
DAY	TEMPERATURE			RELATIVE HUMIDITY			PRECIP	
	MAX	MIN	MEAN	MAX	MIN	MEAN		
1	59.0	42.0	50.5	98.0	62.0	80.0	0.15	
2	48.0	42.0	45.0	98.0	86.0	92.0	0.56	
3	44.0	34.0	39.0	100.0	88.0	94.0	0.07	
4	47.0	39.0	43.0	100.0	72.0	86.0	0.44	
5	51.0	31.0	41.0	100.0	52.0	76.0	0.0	
MEAN	49.8	37.6	43.7	99.2	72.0	85.6	1.22	
MONTHLY MEAN	49.8	37.6	43.7	99.2	72.0	85.6	1.22	



The mission of the PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION is to provide the knowledge, technology, and alternatives for present and future protection, management, and use of forest, range, and related environments.

Within this overall mission, the Station conducts and stimulates research to facilitate and to accelerate progress toward the following goals:

1. Providing safe and efficient technology for inventory, protection, and use of resources.
2. Development and evaluation of alternative methods and levels of resource management.
3. Achievement of optimum sustained resource productivity consistent with maintaining a high quality forest environment.

The area of research encompasses Oregon, Washington, Alaska, and, in some cases, California, Hawaii, the Western States, and the Nation. Results of the research will be made available promptly. Project headquarters are at:

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